#### **Chapter - 1 Computer Fundamentals**

**ACADEMIC YEAR-2020-21** 

#### Practice Zone: (Page no: 3)

- 1. <u>Machine</u> language is directly understood and executed by the computer.
- 2. The short words used in Assembly language for giving instructions are called **mnemonics**.
- 3. Portability is an advantage associated with the **high-level** languages.
- 4.  $\underline{\mathbf{C}}$  and  $\underline{\mathbf{C}++}$  are two examples of high level language.

#### Practice Zone: (Page no: 12)

#### Classify the following under the following heads:

Operating System	Utility Software	General Purpose	Special Purpose Application Purpose	Language Processor
Android	Disk Cleanup	PowerPoint 2013	Billing System	Assembler
Mac OS	Anti-virus software	Adobe Photoshop	Library Management System	Compiler
Linux	Data Compression	QuarkXPress	Ticket Management Software	Interpreter
		Access 2013		

#### **Assessment Zone**

#### A. Choose the correct answer.

1.	Which type	of so	ftware	converts	and	executes	the	source	code	of	a l	nigh-level	langua	ge
	program line	by lin	ne?											

a) Compiler

b) Interpreter

c) Assembler

d) Operating System

2. A type of software that allows the source code to be accessible to the users and organizations are called

a) Proprietary software

b) Open-source software

c) Desktop Publishing software

d) Language Processors

- 3. A software program that let us store large amounts of data in an organized manner and provides tools for searching data and generating reports based on conditions is called`
  - a) Spreadsheet software

b) Desktop Publishing software

c) Graphic software

- d) Database Management software
- 4. Which among the following is the largest unit of measurement of memory?
  - a) Petabyte

b) Gigabyte

c) Yottabyte

d) Terabyte

#### B. Fill in the blanks using the words given in the box.

- 1. The **operating system** is an interface between the user and the hardware.
- 2. **Proprietary** software is a computer software for which there are restrictions on use, modification, copying or redistribution.
- 3. One **<u>petabyte</u>** is equal to 1024 Terabyte whereas one **<u>zettabyte</u>** is equal to 1024 Exabyte.
- 4. The <u>utility</u> software performs maintenance work on a computer system to help in its smooth functioning.
- 5. Ubuntu, an Operating System, is an example of **open-source** software.

#### C. Choose the odd one out.

- 1. Compiler, Assembler, Interpreter, **Disk Cleanup**
- 2. Linux, Windows, Android, Access
- 3. Billing System, **iOS**, Ticketing System, Inventory Control System
- 4. QuarkXPress, Photoshop, Antivirus, Excel
- 5. Mozilla Firefox, Openoffice.org Writer, Audacity, Adobe InDesign
- 6. Visual FoxPro, Access, Oracle, **PowerPoint**

#### D. State whether the following statements are True or False.

- 1. A computer can work without an operating system. False
- 2. Application software is used to control the operations of a computer. False
- 3. High level language programs have to be converted to machine language using an interpreter or compiler. **True**
- 4. An antivirus program is an example of utility software. **True**
- 5. Payroll software is an example of general purpose application software. False

### E. Convert the following decimal numbers to their equivalent binary number form.

1.  $(126)_{10} = (11111110)_2$ 

- 2.  $(76)_{10} = (1001100)_2$
- 3.  $(172)_{10} = (10101100)_2$
- 4.  $(512)_{10} = (10000001000000000)_2$

## F. Convert the following binary numbers to their equivalent decimal number form.

- 1.  $(111110)_2 = (62)_{10}$
- 2.  $(110001)_2 = (49)_{10}$
- 3.  $(1010011)_2 = (83)_{10}$
- 4.  $(11101011)_2 = (235)_{10}$

#### G. Answer the following questions

#### 1. Differentiate between the following:

#### a. High level language and machine level language

High level language	Machine level language		
It is the language in which programs are written using English like words and mathematical symbols.	It is the language in which instructions are given in the form of strings 0s and 1s.		
Translators are used for converting high-level language programs into corresponding machine language.	It is understood by the computer without any translations.		
It is very easy for programmers to learn and use high-level language.	It is very difficult for programmers to write programs in this language.		

#### b. Compiler and Interpreter

Compiler	Interpreter
source code written in a high-level	An Interpreter is a language processor that works by reading and executing the source code of a high - level language program line by line.
It stores the converted object code of a program.	It does not save object code of a program.

c. System software and Application software

System Software	Application Software
System software is required to control the operations of a computer system.	Application software is a set of programs designed to help the user to perform specific tasks.
It can be classified into three categories:  1. Operating System  2. Language Processors  3. Utility Software	It can be classified into two categories:  1. General Purpose Application Software  2. Specific Purpose Application Software
Examples: Linux, Compiler, Quick Heal, WinRAR	Examples: Word 2013, Oracle, Adobe InDesign, Impress

- What are the two categories of application software? Name and define them by giving suitable examples of each.
- → Application software can be divided into two categories:
  - 1. General purpose application software
  - 2. Specific purpose application software
  - 1. General purpose application software:

General purpose application software is developed keeping in mind the needs and requirements of general people.

Examples:

- Word processing software
- Spreadsheet software
- Database Management System
- Desktop Publishing Software
- Graphics, Multimedia and Presentation Software
- 2. Specific purpose application software:

Specific purpose application software is developed keeping in mind the requirements of an organization or an individual.

Examples:

- Accounting Management Software
- Reservation System
- Human Resource Management System
- Attendance System
- Payroll System
- 3. Name any two functions performed by operating system.
  - 1. Operating system serves as an interface between the user and the hardware.
    - 2. It ensures that the computer hardware is used in an efficient manner.
    - 3. It acts as a resource manager by allocating resources to specific programs and applications as and when required.
- 4. What is the advantages of an open source software? Give two examples of open source software.

- → Open source software allows the source code to be accessible to the users and organizations so people can improve and adapt it according to their needs and help in fixing the errors. Examples:
  - Ubuntu
  - Android
  - Open office
  - Mozilla Firefox
  - Audacity
  - GIMP
  - VLC

#### **HOTS**

#### Complete the following table:

Category of Software	Description	Example
Desktop Publishing Software	This type of software is used for designing books, journals, brochures, newspapers.	Adobe InDesign, QuarkXPress
<b>Operating System</b>	It serves as an interface between the user and the hardware.	Windows
Utility Software	They are designed to perform maintenance work on a computer system to help in its smooth functioning.	WinZip, WinRAR, AVG
<b>Language Processor</b>	It translates or converts program in assembly and high-level language.	Compiler, Interpreter
Specific Purpose Application Software	It is developed keeping mind the requirements of an organization or an individual.	Human Resource Management, Inventory and control system
Open-Source Software	It allows the underlying code to be accessible to the users and organizations so that they may study it, make changes to it and build new versions of the software incorporating their changes.	Ubuntu, Android, GIMP

#### **Chapter: 2 Calculation in Microsoft Excel 2013**

#### Practice Zone (Page no 26)

Consider the given worksheet data. Calculate the following based on the given worksheet data.

1. Amount = Price per unit \* Quantity

	E	3	<b>√</b> (=C3*D3			
	Α	В	С	D	Е	
1	SL Bazaar Ltd.					
2	S.No.	Items	Price per unit	Quantity	Amount	
3	1	Shampoo	95	5	475	
4	2	Butter	40	6	240	
5	3	Soap	32	12	384	
6	4	Ice Cream	45	13	585	
7	5	Chocolate	78	17	1326	

2. Total Amount Payable:

E8		<b>▼</b> (9 )	+E5+E6+E7		
	Α	В	С	D	E
1					
2	S.No.	Items	Price per unit	Quantity	Amount
3	1	Shampoo	95	5	475
4	2	Butter	40	6	240
5	3	Soap	32	12	384
6	4	Ice Cream	45	13	585
7	5	Chocolate	78	17	1326
8		3010			

#### Practice Zone (Page no 35)

Consider the given worksheet data. Write commands for the following based on the data given in the worksheet.

	А	В	С	D	Е	F	G
1			Sunshine S	School			
2		H	louse Poin	ts Tally			
3	House Name	Nur	mber of Po	ints			Total
4	nouse Name	Dance	Music	Dramatics	Art	Discipline	Points
5	Peace	13	16	18	6	15	
6	Faith	18	14	5	4	12	
7	Compassion	15	12	8	8	6	
8	Honesty	10	7	19	9	17	
9	Average Points Scored						
10	Maximum Points Scored						
11	Minimum Points Scored						

1. Calculate the total points for each house.

 $\rightarrow$  =SUM (B5:F5)

Α.

- Calculate maximum, minimum and average points for the different event. 1. Average Points Scored: =AVERAGE(B5:B8) [Dance] =AVERAGE(C5:C8) [Music] =AVERAGE(D5:D8) [Drama] =AVERAGE(E5:E8) [Art] =AVERAGE(F5:F8) [Discipline] 2. Maximum Points Scored: =MAX(B5:B8) [Dance] =MAX(C5:C8) [Music] =MAX(D5:D8) [Drama] =MAX(E5:E8) [Art] =MAX(F5:F8) [Discipline] **3. Minimum Points Scored:** =MIN(B5:B8) [Dance] =MIN(C5:C8) [Music] =MIN(D5:D8) [Drama] =MIN(E5:E8) [Art] =MIN(F5:F8) [Discipline] **Assessment Zone** Choose the correct answer. 1. Which of the following is the symbol for multiplication in Excel? b) ^ a) / c) \* d) & 2. An error that occurs when a formula contains invalid data is a) #VALUE! b) #NAME? c) #DIV/0! d) ###### 3. Which of the following is the correct way of specifying arguments to a function? a) =SUM [A1:A5] b)  $=SUM\{A1:A5\}$ c) = SUM (A1:A5)d) = SUM (A1-A5)4. Which is the correct way to concatenate two text values contained in cells A1 and B1 in Excel? a) = A1 & B1 b) = A1 + B1c) A1 & B1 d) A1 + B1Fill in the blanks using the words given in the box.
- B.
  - The cell references containing values to be used for calculations passed to the function are 1. called arguments.
  - 2. Excel displays the error value **#NAME?** When a formula is not spelt correctly.
  - 3. The **product** function is used to multiply the contents of the cells.
  - 4. **Operators** specify the type of operation you want to perform.

- 5. The <u>AutoSum</u> feature is particularly useful when you want to add numbers in a contiguous row or column quickly.
- **6.** To calculate the number of numeric entries in a range of cells, you use the **count** function.

#### C. Write the formula to calculate the following.

- 1. To add the contents of cells B2, B3, B4 and B5 and divide the sum by the contents of cell C7.
- $\rightarrow$  =(B2+B3+B4+B5)/C7
- 2. To multiply the contents of the cells C12 and C13 and then divide the product by the contents of the cell D18.
- $\rightarrow$  =(C12\*C13)/D18 OR =PRODUCT (C12:C13)/D18
- 3. To subtract the contents of the cell A6 from the contents of the cell B6 and then multiply the difference with the contents of the cell C6.
- $\rightarrow$  =(B6 A6)\*C6
- 4. Selecting the maximum value out of a range A1 to B20.
- $\rightarrow$  =MAX(A1:B20)
- 5. Calculating average of marks entered in cells E5, F5, G5, H5 and I5.
- $\rightarrow$  =AVERAGE(E5:I5)
- 6. Calculating total expenses incurred if expenses are given month-wise in cells A1, B1, C1 and D1.
- $\rightarrow$  =SUM(A1:D1)

#### D. Answer the following questions.

- 1. Define formulas.
- → Formula is an expression in Excel that contains constants, cell references, functions and/or operators that allows you to perform calculations in a worksheet.
- 2. What are operators? List the use of some operators used for calculations in Excel.
- → Operators are the special symbols such as +, -, &, etc., used for specifying the type of operation to be performed.
- → The different types of operators include the arithmetic and the text operators.
- $\rightarrow$  Arithmetic operators: +, -, \*, /, ^
- → Text operators: &
- 3. What is the significance of AutoSum feature? Name the tab containing this option.
- $\rightarrow$  The AutoSum (Σ) feature allows you to calculate the sum of data arranged in contiguous rows or column quickly.

- → The AutoSum option is available at two places:
  - 1. In the Editing group on the Home tab.
  - 2. In the Function Library group on the Formulas tab.

#### 4. Define Functions. Discuss its structure.

- → Functions are predefined formulas that can be applied directly to perform calculations in Excel.
- → Structure of Function:

A function in Excel has three parts.

- 1. Equal to sign (=): All functions must start with an equal to sign.
- 2. Function Name: It is the name of the function that help us in specifying the type of operation to be performed on the values.
- 3. Arguments: The cell references containing values passed to a function to be used for calculations are called arguments.

Example: = SUM (A1:A5)

#### **HOTS**

## Using the given worksheet, write a function or formula for the following requirements:

1	А	В	С	D	E	F	
1		ABO	C Publishin	g House			
2	S.No.	Book Name	Delhi	Mumbai	Ahmedabad	Pune	]
3	1	Power of Mind	145	134	23	172	2
4	2	The Sacred Space	243	190	84	156	5
5	3	Power of Yoga	562	162	83	182	2
6	4	Wonderful World	341	100	91	78	3
7	5	New Computers	178	87	156	103	3

- 1. Total number of books sold in Mumbai.
- $\rightarrow$  =SUM (D3:D7)
- 2. Maximum number of 'Power of Mind' book sold in all the four cities.
- $\rightarrow$  =MAX (C3:F3)
- 3. Average number of 'New Computers' book sold in all the four cities.
- $\rightarrow$  =AVERAGE (C7:F7)
- 4. Minimum sale of books in city 'Delhi'.
- $\rightarrow$  =MIN (C3:C7)
- 5. What will be the result of the formula =COUNT (C3:E7)?
- $\rightarrow$  15

#### **Chapter: 3 Charts in Microsoft Excel 2013**

#### Practice Zone (Page no: 42)

#### Match the following.

	Component of a chart	Purpose
1.	Plot area	An area containing the chart, axes and gridlines.
2.	Data marker	Any symbol such as a bar, an area, a dot or a slice used to represent a value in a chart.
3.	Axes	The horizontal and the vertical lines that surround the plot area used as reference points for measuring the data values being plotted on the chart.
4.	Gridlines	The horizontal or the vertical lines in the plot area used to identify the value of each data point on the chart.
5.	Legend	A box containing a unique pattern or color to identify each data series on a chart.
6.	Chart area	An entire area containing the chart and all its elements.

#### **Practice Zone (Page no 46)**

#### Suggest the suitable type of chart for plotting the following.

- 1. To compare the production of various items such as rice, wheat, barley over a period of three years.
- → Column Chart
- 2. To depict the size of items in one data series, proportional to the sum of the items sold by a company.
- → Pie Chart
- 3. To display the trends in the demand of refrigerators over a period of last five years.
- → Line Chart

#### **Assessment Zone**

#### A. Choose the correct answer.

- 1. Identify the component of the chart helps in identifying various plotted data series by assigning a unique color or pattern to a particular data series.
  - a) Chart title

b) Axes

B.

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	c)	Plot area	<b>d</b> )	Legend
2.	Which	of the following ch	arts plot the data series as	s rings?
	a)	Bar Chart	b)	Line Chart
	c)	Pie Chart	d)	Doughnut Chart
3.	Identi	fy the chart that use	s connecting dots to depic	et the trends over a period of time.
	<b>a</b> )	Line Chart	b)	Pie Chart
	c)	Bar Chart	d)	Doughnut Chart
4.			tical lines in the plot arean the chart is called	that help us in easily identifying the
	a)	Gridlines	b)	Axes
	c)	Chart Title	d)	Legend
	Fill in	n the blanks using	g the words given in th	e box.
1.	The op	otion to add charts in	the worksheet is present un	der the <u>Insert</u> tab.
2.	Any sy <b>marke</b>		an area or a slice used to re	present a value in a chart is called <b>data</b>
3.	The <b>b</b> a	ar chart represents va	lues on the horizontal axis	and categories on the vertical axis.
4.	The <u>de</u>	e <mark>sign</mark> tab shows inbui	lt chart styles.	
5.		lationship of individ he <u>pie</u> chart.	ual items to the sum of all	items in the series can be represented
	State	whether the follo	owing statements are T	True or False.

- C.
  - 1. Doughnut chart can plot only one data series. - False
  - 2. Once added, we cannot change the look and feel of the chart. - False
  - **3.** We can give titles to the x-axis and y-axis. - **True**
  - 4. We can change the location of the placement of the chart. - **True**
  - 5. Bar charts represent categories on the y-axis and values on the x-axis. - True
- D. Answer the following questions.
  - 1. What is a chart? What are the advantages of charts?
  - Charts are graphical representation of worksheet data.
  - Charts makes it easier for users to quickly understand, compare and find patterns and relationships between worksheet data.
  - 2. What is the use of gridlines and legends in a chart?

- → **Gridlines:** The horizontal or vertical lines in the plot area of a chart.
- → <u>Legends:</u> A box that helps in identifying various plotted data series by assigning a unique color or pattern to a particular data series in a chart.

#### 3. What is the difference between a bar chart and a column chart?

Bar Chart	Column Chart
It displays the comparisons among individual items as sets of horizontal bars.	It is used to depict comparisons among different items of data or changes in data trend over a period.
The values are represented on the horizontal axis whereas categories are represented on the vertical axis.	The values are represented on the vertical axis whereas categories are represented on the horizontal axis.

#### **HOTS**

Study the following chart based on the number of packages sold by a Tours and Travels company to the various destinations in the last four months and answer the questions that follow:

- 1. Identify the type of chart.
- → Column chart
- 2. A legend has been placed in the chart. Identify its position.
- $\rightarrow$  Right side.
- 3. What are the numbers on top of every bar known as?
- → Data label
- 4. What are the lines running across the plot area known as? What is their use?
- → Gridlines
- → They are used to identify the value of each data point on the chart.
- 5. Identify two months in which the company sold maximum number of packages for Mauritius.
- → Feb and March
- 6. Name the tab and option you will use to change the style of the chart.
- → Chart Styles group on Design Tab

#### **Chapter: 4 Advanced Features of Microsoft Excel 2013**

#### **Assessment Zone**

<b>A</b>	$\alpha$	41	4	
Α.	Unoose	the	correct	answer.

- 1. Which of the following features in Excel lets you format the cells when the cell contents satisfy a particular condition?
  - a) Sorting

b) Custom Filtering

c) Conditional Formatting

- d) Cell Formatting
- 2. Which of the following statements holds true for custom filtering in Excel?
  - a) This option lets you change the background colour on the basis of satisfaction of a condition.
  - b) This option lets you view selective rows that satisfies more than one condition for a column.
  - c) This option lets you arrange data in ascending or descending order.
  - d) This option lets you generate a series of data.
- 3. Which of the following statements is not true about sorting data in Excel?
  - a) You can sort data in rows on the basis of text, numbers or dates.
- b) You can sort data in ascending or descending order.
- c) You cannot sort data by more than one column.
- d) You can exclude header rows from sorting.
- B. Fill in the blanks using the words given in the box.
  - 1. The <u>conditional formatting</u> feature of Excel lets you apply formatting to a cell only when the value in the cell satisfies a given condition.
  - 2. The option to apply conditional formatting is available on the **home** tab.
  - **3.** The <u>filtering</u> features lets you temporarily hide the rows that do not meet the specified condition.
  - **4.** Using <u>custom filter</u>, you can display data that satisfies more than one condition for a column.

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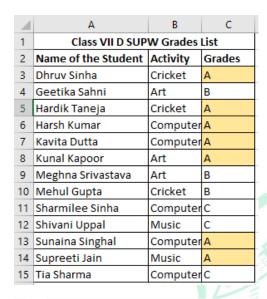
#### C. Answer the following questions.

- 1. What is the use of sorting feature in Excel? How is it different from the Filtering feature?
- → Sorting allows you to arrange data in a particular order whereas filtering allows view selective data that meets a certain criterion.
- 2. What is custom filtering?
- → Custom filter is used to display data that satisfies more than one condition for a column.
- 3. Discuss the two ways in which you can specify the conditions when using the filtering feature?
- Number Filter and Text Filter are the two ways in which you can specify the conditions when filtering data.
- → Number filter appear as we are filtering on the basis of number-based column.
- → Text filter appear as we are filtering on the basis of text-based column.
- 4. How is conditional formatting useful to us? Name the tab that contains the option for applying conditional formatting.
- → Conditional formatting is a feature in Excel that allows apply formatting, such as cell shading or font color to a cell when the cell contents satisfy a given condition.
- → Conditional formatting option is available in Styles group on the Home tab.

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#### **HOTS**

#### Study the given image and answer the questions that follow:



- 1. Which feature of Excel will you use to arrange the data in the descending order of names of students?
- → Sorting
- 2. Which feature of Excel will you use to view only the names and grades of students who have opted for 'Computer' as an activity?
- → Filter
- 3. Which feature of Excel has been used to highlight the cells having Grade 'A' in the column 'Grade'?

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- → Conditional Formatting

#### <u>Chapter – 5 Looping Statements in QBASIC</u>

#### **Practice Zone (Page no 77)**

Consider	41	fallarring		~ 4	al	41		
Consider	uie	TOHOWING	programs	anu	CHOOSE	uie	COLLECT	answer.

- 1. FOR I = 1 TO 10 STEP 2 PRINT I NEXT I
- $\rightarrow$  The output of the program is: All odd numbers from 1 to 10
- 2. FOR A = 50 TO 1 STEP -1 PRINT A NEXT A
- → The output of the program is: Numbers from 1 to 50 in descending order

#### Practice Zone (Page no 81)

Write a program to display your name multiple times using DO WHILE ... LOOP.

REM write a program to display your name multiple times using DO WHILE ... LOOP. CLS i=0 DO WHILE i <= 10 PRINT "My name is Prutha" i=i+1 LOOP

#### **Assessment Zone**

A	Choose	the	correct	answer.

1.	Which of the following looping statements is most suitable when several statements
	have to be executed a fixed number of times?

- a) DO WHILE ...LOOP DHINAGAR
- b) DO UNTIL ... LOOP

c) FOR ... NEXT

- d) None of these
- 2. The default value of the step value is \_\_\_\_\_
  - a) 1

b) 0

c) -1

d) None of these

- 3. The step value can be \_\_\_\_\_
  - a) a positive value

b) a negative value

c) a decimal value

d) All of these

4. How many times will the following loop be executed?

X = 0DO WHILE X > 10

PRINT "\*"

LOOP

a) 10

b) 5

c) 0

d) 9

5. In a FOR ... NEXT loop, if the final value is less than the initial value, then the STEP value should be \_\_\_\_\_

a) Positive

b) Negative

c) Zero

d) None of these

6. What will be the output for the following program?

FOR V = 1 TO 10

NEXT V

PRINT V

a) 1

b) 10

c) 11

d) None of these

B. Write the value taken by the control variable in the following FOR statements.

FOR statement	Values
1. FOR X = 5 TO 10 STEP 2	5, 7, 9
2. FOR $X = 20 \text{ TO } 5 \text{ STEP } -5$	20, 15, 10, 5
3. FOR X = 100 TO 105	100, 101, 102, 103, 104, 105
4. FOR X = 4 TO 6 STEP 0.5	4, 4.5, 5, 5.5, 6

C. Find errors in the following programs and write the correct code.

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1. FOR  $R = 1_{\bigcirc}5$ PRINT RNEXT(A) 2. X = 1 DO LOOP X < 5 PRINT X X = X + 1

X = 1DO WHILE X < 5
PRINT X X = X + 1LOOP

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#### D. Answer the following questions.

- 1. What is a loop? How can you create loops in QBASIC?
- → A loop is used to repeat the execution of a group of statements many times.
- → We can create loops in two ways in QBASIC:
  - 1. FOR ... NEXT
  - 2. DO ... LOOP
    - a. DO WHILE ... LOOP
    - b. DO UNTIL ... LOOP
- 2. What is the use of step value in a FOR ... NEXT loop?
- → Step value is the value by which the counter variable is incremented or decremented every time the loop body is executed.
- → It can be a positive or a negative value, but it cannot be zero.
- $\rightarrow$  The step value is optional.
- $\rightarrow$  The default step value is 1.
- 3. How is a DO WHILE ... LOOP different from DO UNTIL ... LOOP?
- → The DO UNTIL ... LOOP is similar to the DO WHILE ... LOOP, the only difference between the two loops is that in the DO UNTIL ... LOOP, the execution of the loop continues as long as the condition is false.
- 4. Give the significance of the EXIT DO and EXIT FOR statement.
- → You can exit from FOR ... NEXT loop using EXIT FOR statement.
- → You can exit from DO ... LOOP using EXIT DO statement.
- 5. What should be the step value in the following code?

  REM Display multiples of 3

  FOR I = 3 TO 30 STEP \_\_\_\_\_\_

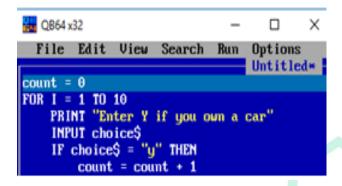
  NEXT I
- $\rightarrow$  3
- 6. The following program was written to display even numbers between 4 to 44 in reverse order. The program is not giving the desired output. Identify and correct the mistake in the program.
- → REM Program to display even numbers.
   FOR X = 44 TO 4 STER 4 -2
   PRINT X
   NEXT X

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#### **HOTS**

#### Study the image and answer the questions that follow.

There are 10 residents in a society. The program deals with the residents of the society.



- 1. What does the above program do?
- → The program shows the total number of car owners.
- 2. What is the step value in the FOR ... NEXT loop?
- $\rightarrow$  1
- 3. How many times will the loop run?
- → 10
- 4. What statement should be added to the program to display the count of residents who do not own a car?
- → PRINT "Residents who do not own a car:"; 10 count

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