

Student Name - Arya

Experiment 1

Assignment - 10/

Date:

Ques ⇒ What are the four fundamental parts of computer? Explain with the help of diagram

Ans: ⇒ Input ⇒ (1) Mouse (2) Keyboard (3) Touch screen
(4) Joystick (5) Web Camera

* Output ⇒ (1) Monitor (2) Printer (3) CD/DVD
(4) Projector (5) Speakers.

CPU ⇒ CPU stands for central processing unit that is also called / as processor is the main part (brain) of computer, which processes data given by user of produce output.

Primary Memory ⇒ Primary memory is also known as main memory, the memory unit that directly communicate to the CPU. is called primary memory.

DIAGRAM OF COMPUTERSYSTEM

Sub/Ref No. : _____

Serial No. _____

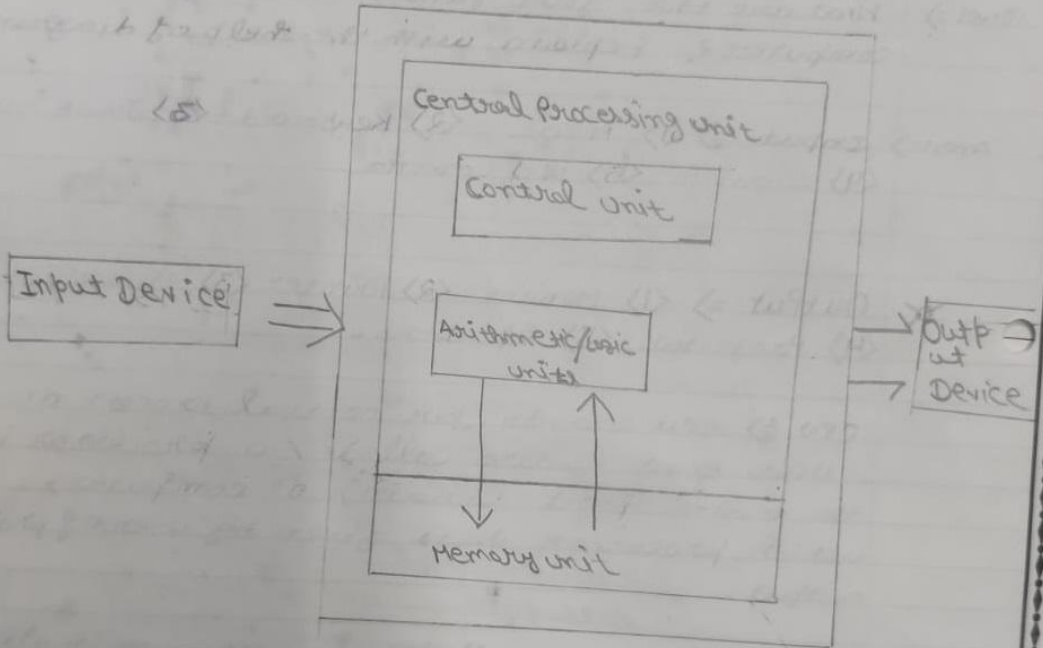


DIAGRAM OF COMPUTER

Experiment 3

Date: _____

Question (2)

Type of Micro
computer

DESCRIPTION

Personal
Computer/PCs

Personal computer are commonly
used in homes.

These are single user computers as
only one user can work at a
given time.

Work station:

PCs are not very expensive.

Example : Apple II

Workstations are more powerful
have more memory and high speed.

They are also single user
computer.

Experiment 2

Date: _____

Que 2) Discuss about the classification of computers based on size and capacity?

Types of Digital Computers

Micro Computer Mini Computer Mainframe computer Super computer

(1) Micro computer \Rightarrow Micro computer are relatively small in size and are single \Rightarrow microprocessor single user system which are designed to perform basic operation.

Types of Micro Computers

Personal computers Work station Handheld computers Portable computers

Experiment 5

Date: _____

Generation	First	Second	Third	Fourth	Fifth
Year	1945-1956	1956-1963	1964-1971	1971-1989	1989-present
Device	Vacuum Tubes	Transistor	Integrated circuits (IC)	very large-scale integ (VLSI)	Super scale integ (SLSI)
Operation	Batch	Time Sharing	Real Time System	Time sharing	(SLSI)

CHARACTERISTICS OF Computers

Speed \Rightarrow Billions of simple arithmetic operations can be performed in a second.

Accuracy \Rightarrow Every calculation is performed with almost complete accuracy.

Diligence \Rightarrow computer is free from tiredness etc can work for hours.

Experiment 4

Date: _____

(b) Mini computer \Rightarrow Micro-Mini computer is a multiuser computer where several users can work simultaneously. They are smaller in size than mainframe computers but bigger.

(c) Main frame \Rightarrow Mainframe are multiuser multi-processor system where more than one user can work on a system.

(d) Super computer \Rightarrow Supercomputer are extremely fast and powerful computer that can and handle billions of instructions in perform and handle in second.

(1)
Ques \Rightarrow What is the meaning of computer generation?

Ans \Rightarrow Generation of computer \Rightarrow History of computer can be divided into two eras Mechanical era (Before 1945 consist of mechanical device)

Electronic is divided into four generations.

Experiment 6

Date:

- Automatic \Rightarrow Job can be performed without human intervention.
- Storage capacity \Rightarrow It can store huge amount of data photos and videos.

Ques \Rightarrow Differentiate between volatile & non-volatile memories.

Ans \Rightarrow VOLATILE \Rightarrow 'VOLATILE MEMORY

Ram, Random Access Memory \Rightarrow That accessed memory randomly. The information in RAM will stay until user is working on that particular.

Types of RAM:

\Rightarrow DRAM stands for dynamic random-access memory that stores data temporarily and to retain data it is refreshed periodically.

- SRAM stands for static Ram are more expensive and faster than DRAM.

NON - VOLATILE

- ROM \Rightarrow Read only Memory and also known as non-volatile memory as it stores information permanently. In this unlike RAM information can only read and data stored in it can't be removed or modified. It is mainly used in booting process and when power is turned off an initial program.

Types of ROM:

- P(ROM) \Rightarrow stands for programmable read only memory or one-time programmable ROM OTP because in this only one program can be done at one time by manufacturing it and after that changes can't be done in it.

EP(ROM) \Rightarrow stands for Erasable PROM in which data can be erased multiple times by exposing it to rays and it will erase the entire data present on the chip. The only draw is that when user removes or row write useless.

Experiment 8

Date : _____

Ques → Distinguish among system software application software and open source software on the basis of their features.

Ans → (1) System Software → Computer is a machine and to accomplish any task in it requires some instructions. These set of instructions are known as program. The system software is a collection of programs which controls the internal operation of computer creating output from input device, displaying results on screen.

(2) APPLICATION SOFTWARE → Application software are also known as applications which are meant for user and used for example, software for preparing school result, library management system, accounting bills and so on. Application software are end user programs because they enable the user to create documents, spreadsheets, databases and publications → doing online.

14 |
Q6. (A) Write a paragraph about yourself ?

your self - Word (Product Activation Failed)
FILE HOME INSERT LAYOUT REFERENCES MAILINGS REVIEW VIEW

Q6. A.

My self

1. My name is ARYA Bhardwaj
2. I read in 12 class
3. My father name is sh. Paramjeet singh
4. My mother name is sh m. Rama devi
5. I read in indra moriyal high school dehra
6. I am a good boy

Q7. Create a file MS word ?

MS Word - Word (Product Activation Failed)
FILE DESIGN PAGE LAYOUT REFERENCES MAILINGS REVIEW VIEW

Q8. Create a file in MSword for the following and save it with file name 'equations' ?

Q8.

Equations

$$X^2 + Y_5 = 30$$

$$Z^3 + Q^4 = 50$$

$$A_2 + B^8 = X_2 + y_8$$

Q9. Create a table in MS word ?

Q9. Create "text to table"

Select the text you want to convert	Select the insert tab.
Click on Table command A dialog box appears.	Click on convert text to table , a new dialog box appears
<u>here</u> set number of columns.	Click on ok Finally selected text convert in a table

Q10 Create a file in Ms- word to insert a table in the document.

Q11. Create a file in MS Excel and save it with name book1 highest marks.

Ans

1	name	marks	
2	arya	66	
3	mohit	78	
4	vikas	63	
5	manoj	74	
6	kartiik	86	
7	ashish	91	
8	aarav	68	
9			
10			
11			
12	highest marks of ashish	91	
13			

Q11. Create a file in MS. excel and save it?

	A	B	C	D	E	F
1	Roll no	Name	Marks			
2		1 n1	60			
3		2 n2	70			
4		3 n3	80			
5		4 n4	90			
6		5 n5	40			
7		6 n6	50			
8		7 n7	77			
9		8 n8	44			
10		9 n9	88			
11		10 n10	55			
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

Q12. Minimum Marks in the Range of the cell?

1	NAME	MARKS
2	AJAY	55
3	RAJAT	76
4	VIKAS	87
5	ANKIT	74
6	AVAY	90
7	ARYAN	84
8	CHIRAG	67
9		
10		
11		
12	minimum mark	55
13		
14		

Q13) Describe following terms in the worksheet

> Absolute reference and relative reference in formula.

> Cell address.

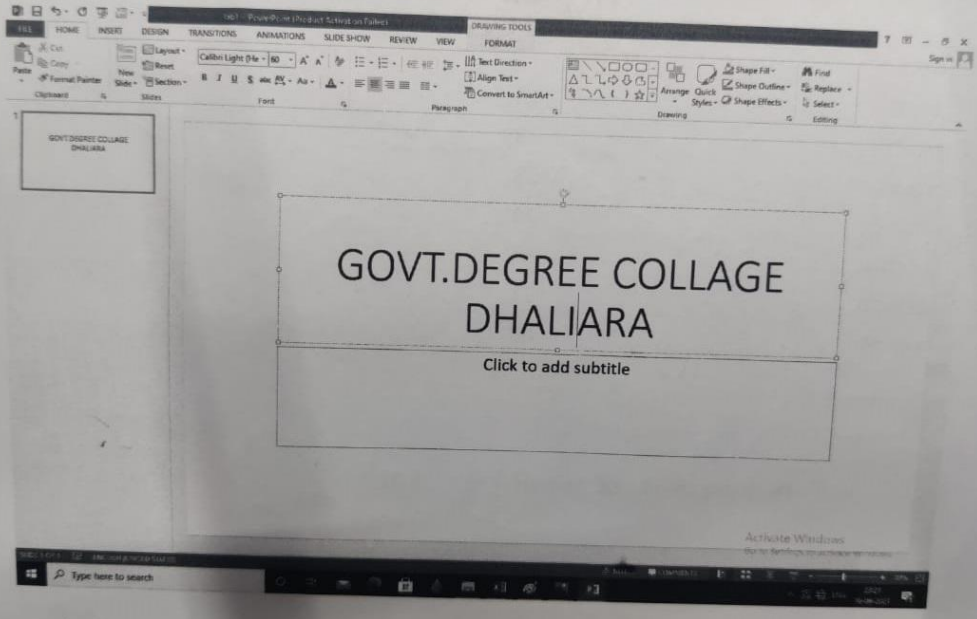
(a) Relative and absolute references behave differently when copied and filled to other cells. Relative references change when formula is copied to another cell.

(b) A reference is a cell's address. It identifies a cell on range of cell by referring to the column letter and row number of the cell.

For example \Rightarrow

A1 refers to the cell to the intersection of column A and row 1.

Q14. b. Add a name of your collage in Title slide ?



Q14 b. Create open a blank document —



Q17⁽⁵⁾ → Add a new slide which have Title & content

The image shows a presentation slide titled "HIMACHAL PRADESH". On the left side, there is a vertical navigation pane with two slide thumbnails. The first thumbnail is labeled "1" and contains the text "HIMACHAL PRADESH". The second thumbnail is labeled "2" and contains the text "HIMACHAL PRADESH" followed by a list of bullet points. The main content area of the slide is titled "HIMACHAL PRADESH" and contains a list of four bullet points:

- Himachal Pradesh is a northern indian state in the Himalayas.
- It home to scenic mountain towns and resorts such as Dalhousie.
- Host to the Dalai LARMA Himachal Pradesh has a strong Tibetan.
- This is reflected in its Buddhist temples and monasteries as well as its.

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MS Word

MS word is a widely used commercial word processor developed by Microsoft.

MS word is application software. Which is capable of

- Creating
- Editing
- Saving
- Printing any type of document

HOW TO PREPARE TEA

- TO Properly serve the tea first pour boiling
- Water into your tea pot to hot the pot so it
- Heats up before brewing the tea

Experiment 10

Date:

(17)

Que

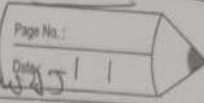
What are different types of C language.

Ans: → The C language provides the four basic arithmetic type specifiers char, int, float and double, and the modifiers signed, unsigned, short, and long.

Data Types	Bytes	Range
Signed char	1	-128 to 127
unsigned char	1	0 to 255
float	4	$1.2E-38$ to $3.4E+38$
double	8	$2.3E-308$ to $1.7E+308$

Q15 (R) Part

NAME = ? A R I A B H A R D



① Multiply the numbers

$$Y = 30 - 1 \cdot 10 + 10$$

$$Y = 30 - 10 + 10$$

$$Y = 30 \text{ Answer}$$

(C) $Z = 40 \cdot 2 / 10 - 2 \div 10$

Multiply the numbers

$$Z = \frac{40 \cdot 2}{10} - \frac{1 \cdot 2}{10}$$

$$Z = \frac{80}{10} - \frac{1 \cdot 2}{10}$$

② Divide the numbers

$$Z = \frac{80}{10} - \frac{1 \cdot 2}{10}$$

$$Z = 8 - 1 \cdot \frac{2}{10}$$

③ Divide the numbers

$$Z = 8 - 1 \cdot \frac{2}{10}$$

$$Z = 8 - 1 \cdot \frac{2}{10}$$

Que 3) Divide the number

$$Z = 8 - 1 \cdot \frac{2}{10}$$

$$Z = 8 - 1 \cdot \frac{1}{5}$$

$$Z = 8 - 1 \cdot \frac{1}{5}$$

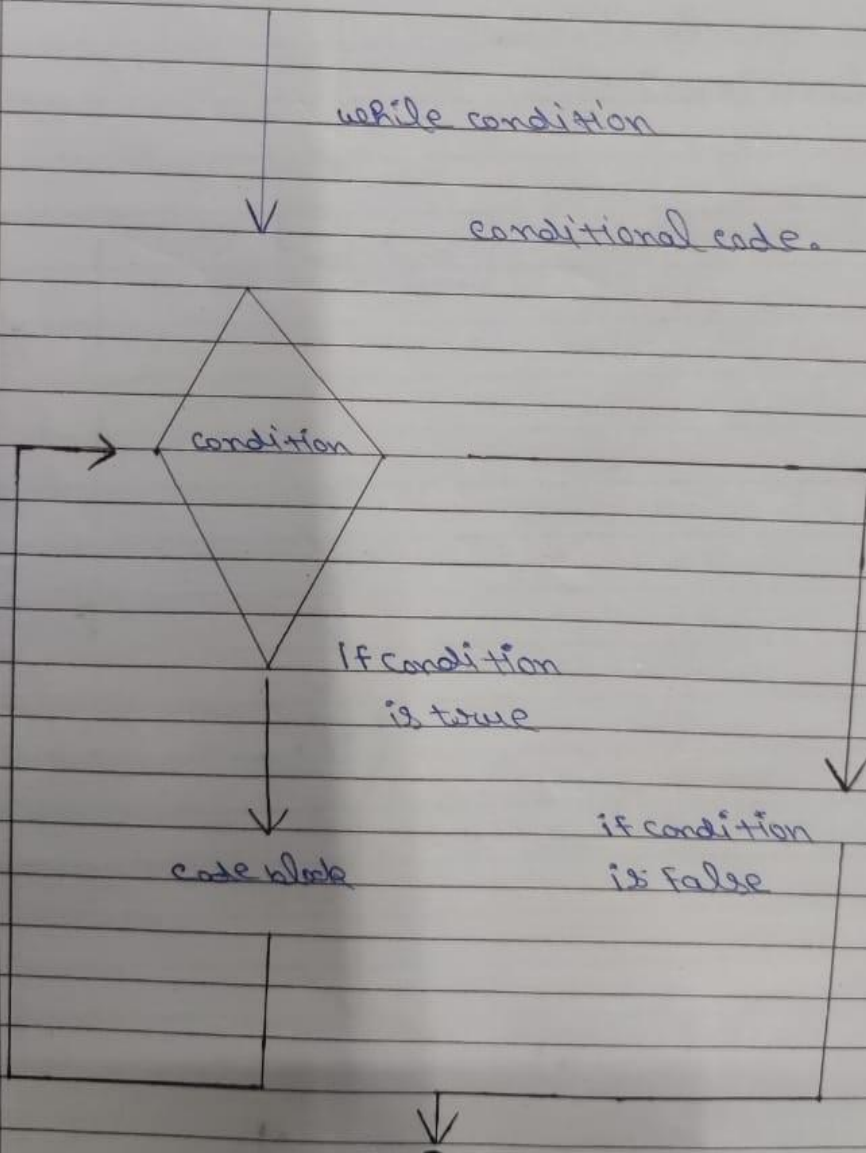
Subtract the numbers

$$Z = 8 - \frac{1}{5}$$

$$Z = \frac{39}{5} \text{ Answer}$$

When the condition becomes false the program control passes to the line immediately follow the loop.

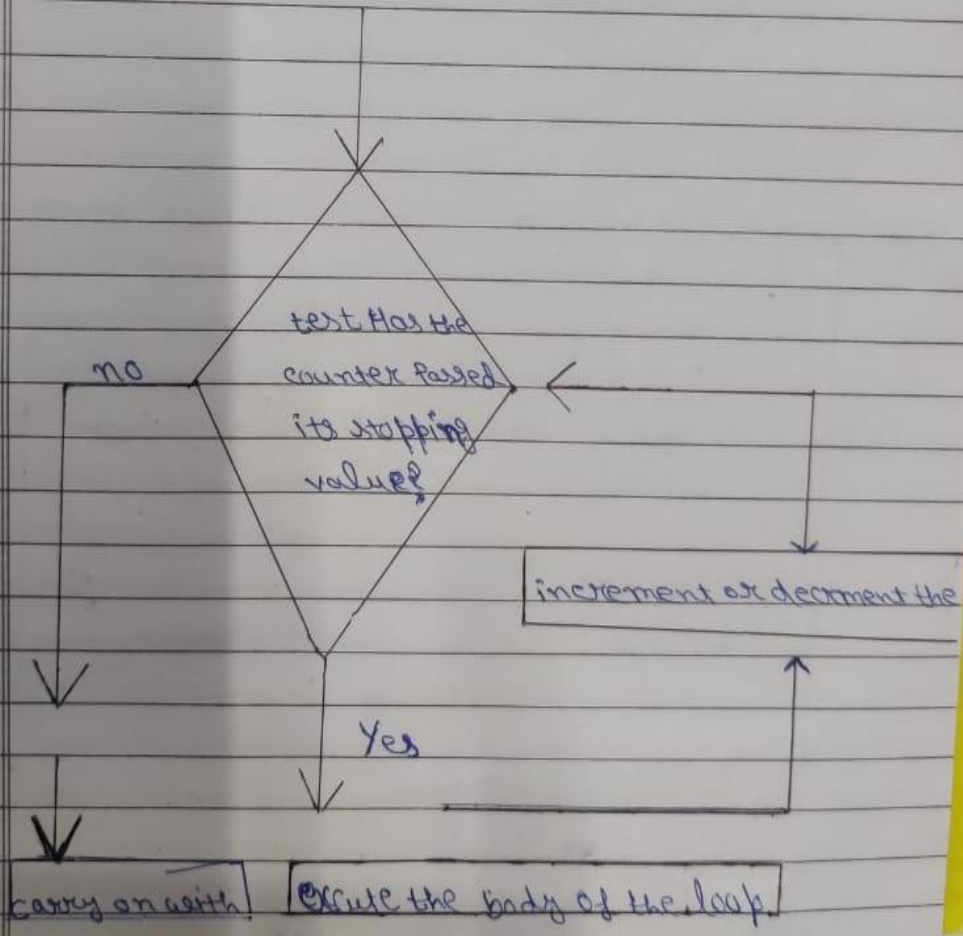
Flow Diagram

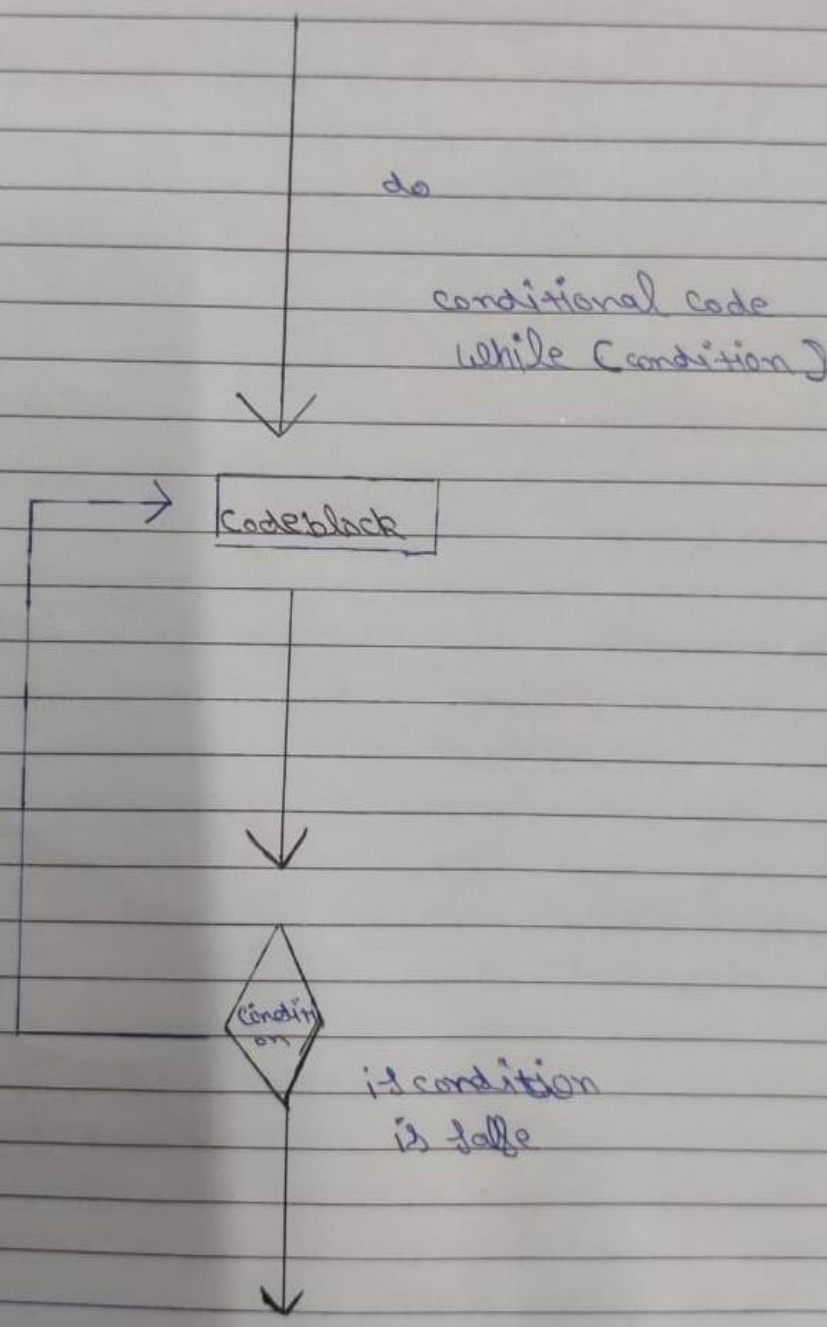


Statements before
the for loop

the for loop

intialise the counter
with its starting





(18)
 Que) Find the output of the following expressions

(a) $X = 20 / 5 * 2 + 30 - 5$

① Divide the numbers

$$\text{Solve } x = \frac{20}{5} * 2 + 30 - 5$$

$$x = 4 * 2 + 30 - 5$$

② Multiply the number

$$x = 4 * 2 + 30 - 5$$

$$x = 8 + 30 - 5$$

③ Add the numbers

$$x = 8 + 30 - 5$$

$$x = 33 \text{ Answer.}$$

(b) $Y = 30 - (40 / 10 + 6) + 10$

① Divide the numbers

$$Y = 30 - \left(\frac{40}{10} + 6 \right) + 10$$

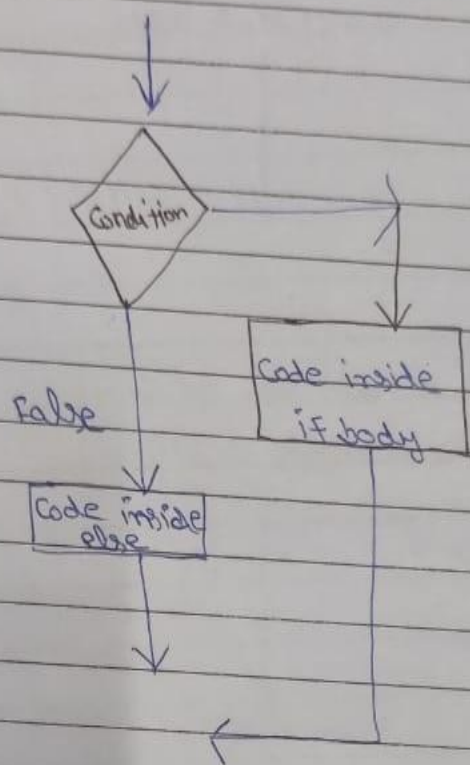
$$Y = 30 - (4 + 6) + 10$$

② Add the numbers

$$Y = 30 - (4 + 6) + 10$$

$$Y = 30 - 10 + 10$$

(Ques:-)



Example of if else statement

In this program user is asked to enter the age and based on the input the if-else statement checks whether the entered age is greater than or equal to 18. If this condition meet then display message "You are eligible for voting, however if the condition is not met then display message "You are not eligible for voting".

C Q20. (a) Write a program for loop ?

A

```
C:\TURBOC3\BIN>TC
IMS GHAZIABAD/IMS GHAZIABAD/n
largest number is 100/nlargest number is 100/n
```

Q20. C. Write a program IF/else (Largest number) ?

```
C:\TURBOC3\BIN>TC
largest number is 100/nlargest number is 100/n
```