#### Flowcharts And Pseudoccdes

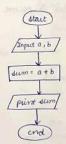
Flowcharts: Flowcharts are refuel representations of a process algorithm components include -

- \* Oval start | End
- \* Rectargle Process | instruction
- \* Parallelogiam Input | Output
- + Diamond dicuion

Pseudocode: Pseudocode us a high-level, language-agnostic way to represent an algorithm. It provides structured outsine for writing actual code and enhances portability as code can be translated unto any programming language.

Q write pseudocode and draw flowchart for -

- a) printing sum of two numbers, a and b.
  - 1. Start
  - 2. Input numbers, a and b
  - 3. Calculate sum = a+b
  - 4. Print sum
  - 5. End



- b) calculating simple interest.
- 1 Start
- 2 Input P, R and T
- 3. carculate Invest = (P\*R\*T)/100
- 4. Print Interest
- 5. End



c) finding maximum of 3 numbers

1. Start 2. Input a, b and c 3. 4 a>6 do y a > c do iy 6> c do print b else

# d) checking if a number is prime or not

1. Start

4. Exit

2. Input n

3. # a <= 1 do print "not prime"

print c

else

let div = 2

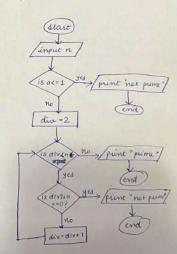
while die < n do y n " div == 0 do

print "not prime"

div = div + 1

4. print "prime"

5. End



1 Start

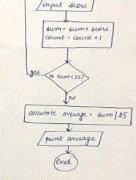
2. Let count = 1 and sum = 0 3. While count < 25 do

input score dum = dum + sione

count = count +1

4. Calculate average = sum 125

5. print average 6. End



(start)

sum = 0

#### f) calculating sum of first n notural numbers

1. Start

2 input n 3 y n >= 1 do

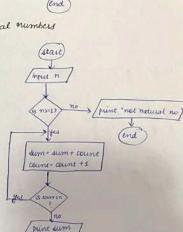
> litsum = 0 and count = 1 tum - dum + count

while count (n do sum = sum+ count count = count + 1

else print " net natural no."

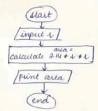
4 pine sum

5. End



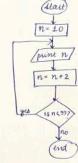
# 8) calculating area of a sciele

- 1. Start
- 2. Input re
- 3 Calculate area = 3.14 + 1 + 1
- 4. print area
- 5- End



### h) printing even numbers between I and 100.

- 1. Start
- 2. lit n=10
- 3. While n<99 do print n
- n=n+2 4. End



## i) finding greatest from 2 numbers

- 1. Start
- 2. Input a and b
- 3. If a>b do else print b

4 End

