

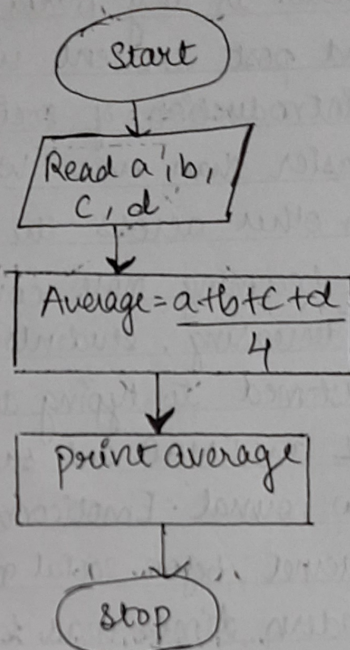
### ASSIGNMENT-1

Q1) Draw a flowchart to find out the average of sum of 4 numbers

Ans) Steps to be followed:

1. Read A, B, C, D
2.  $\text{Average} = \frac{A+B+C+D}{4}$
3. Display the average
4. End

Flowchart:

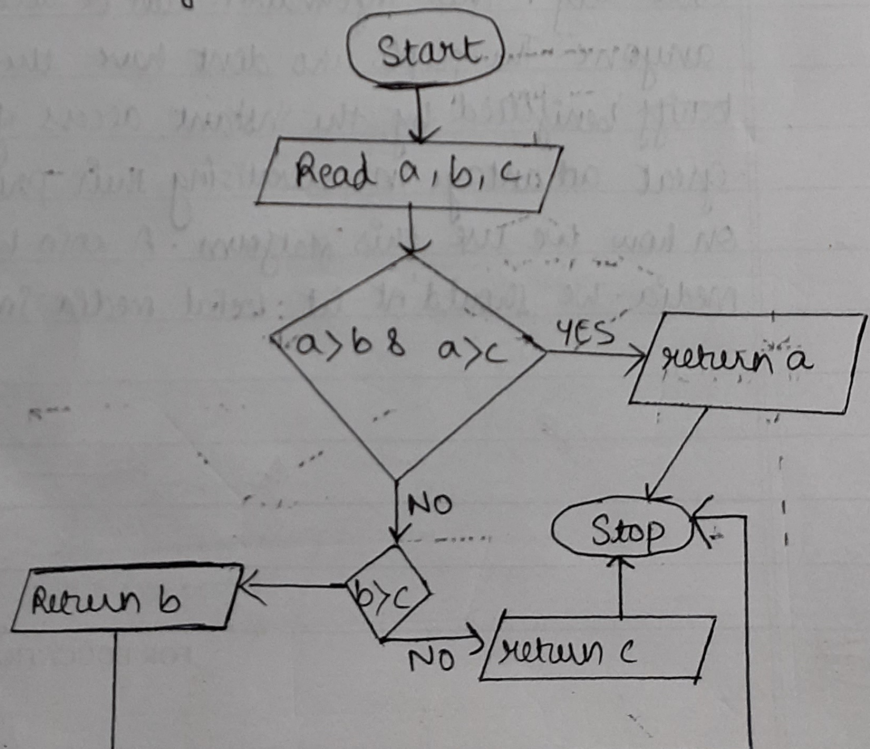


Q2) Draw a flowchart to find out the greatest among 3 numbers.

Ans) Steps to be followed:

flowchart:

1. start
2. Read a, b, c
3. check if  $a > b$  and  $a > c$ 
  - a. If yes, return a  
Stop
  - b. If no, check if  $b > c$ 
    - i. If yes, return b
    - ii. If not, return c
4. stop



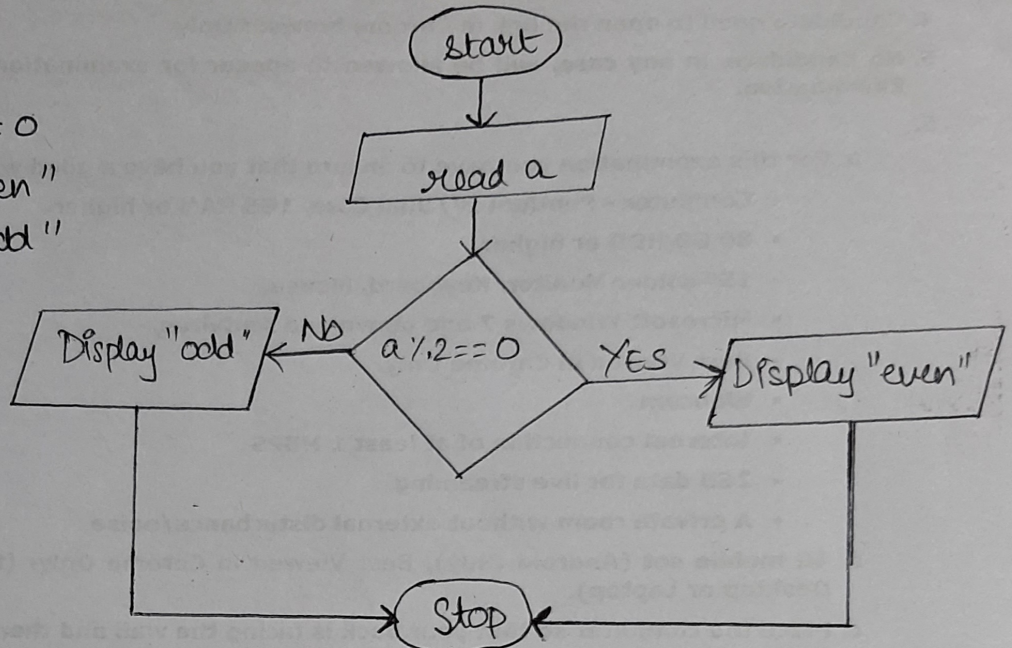


Q3) Draw a flowchart to find out the odd number and even numbers.

Ans) Steps to be followed:

1. start
2. read a
3. check if  $a \% 2 == 0$ 
  - a. If yes, print "even"
  - b. If no, print "odd"
4. End

Flowchart:



Q4) Draw a flowchart to find out if number is prime or not:

Ans) Steps to be followed:

1. start
2. let  $i = 2$
3. check if  $i \leq a/2$ 
  - a. If yes, check if a is divisible by i
    - i. If yes, print "Not prime"
    - ii. If no, add 1 to i and go back to step 3
  - b. If no, print "prime"
4. Stop.

Flowchart:

