ASSIGNMENT – 1

**1.Write the Algorithm and draw the flowcharts for the following :**

a) Find the average of three numbers a, b and c.

Step 1: Start

Step 2 :Read the three number "a","b","c".

Step 3: Declared a variable "sum" and "Avg".

Step 4: sum=a+b+c;

Step 5: Avg=sum/3

Step 6: Display "sum " and "Avg".

Step 7: End.

b) Find the area of a rectangle whose length and breadth are given.

Step 1: Start.

Step 2: sum = 0.

Step 3: input L, B.

Step 4: sum = L \* B.

Step 5: print "The area of the rectangle is: SUM".

Step 6: End.

**2.Draw the flowcharts for the following :**

a) Read age of a person. If age less than 60 then print “Not a senior citizen” otherwise print “Senior Citizen”.

No

YES

Not a senior citizen

Senior citizen

Age<=60

Enter your Age

b) Read two numbers and print maximum of 2 numbers.

B is Largest

A is Largest

If A>B

Read A,B

c) Read three numbers and print smallest among 3 numbers.

C is the smallest numbers

B is the smallest numbers

A is the smallest numbers

a<c

b<c

a<b

Input a,b,c

d) Read a number in inches and convert it into meters.

Print F

F=(9\*c)/5+32

Read C

e) Print 2,4,6,8,10

No

Yes

If i<=n

Print sum

i=i+2

Sum=sum+i

Input n

Sum=0,i=2