1.Find the student average mark given mark1 and mark2.

Step:1 Start

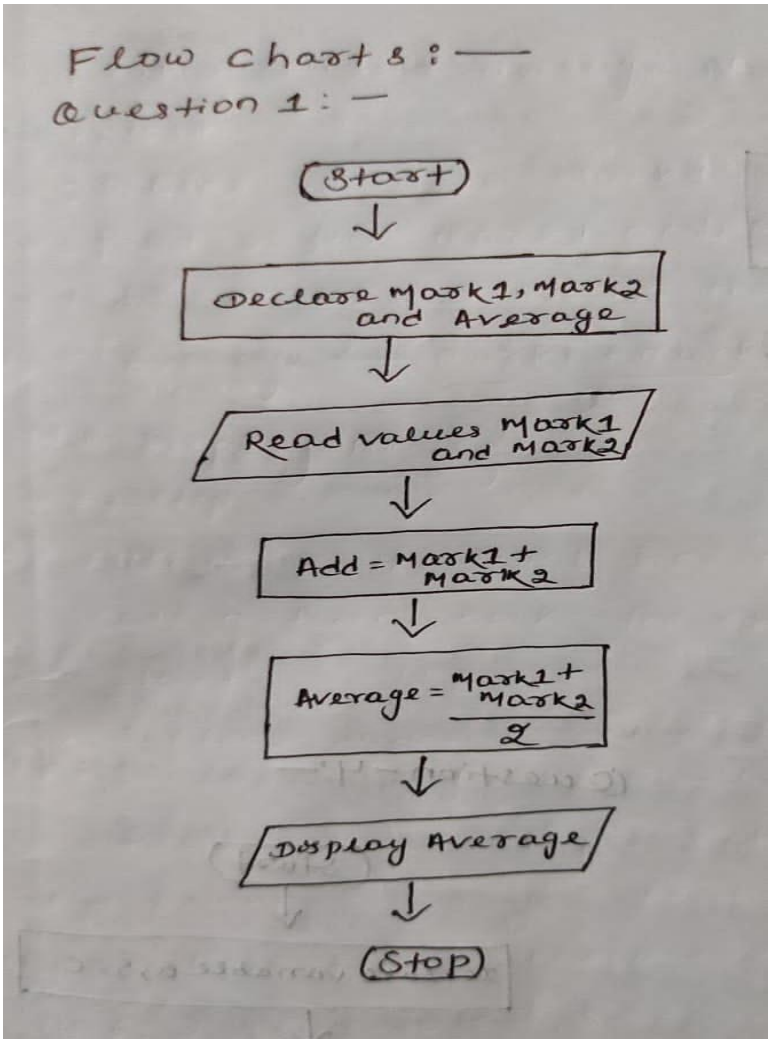
Step:2 Declare variable mark1,mark2 and average

Step:3 Read value mark1 and mark2

Step:4 Add mark1 and mark2 then divide the sum by total

Step:6 Display Average

Step:7 Stop



2.Calculate the total fine charged by library for late return books the charge is 0.20INR for 1day.

Step:1 Start

Step:2 Declare day,initialize charge and fine

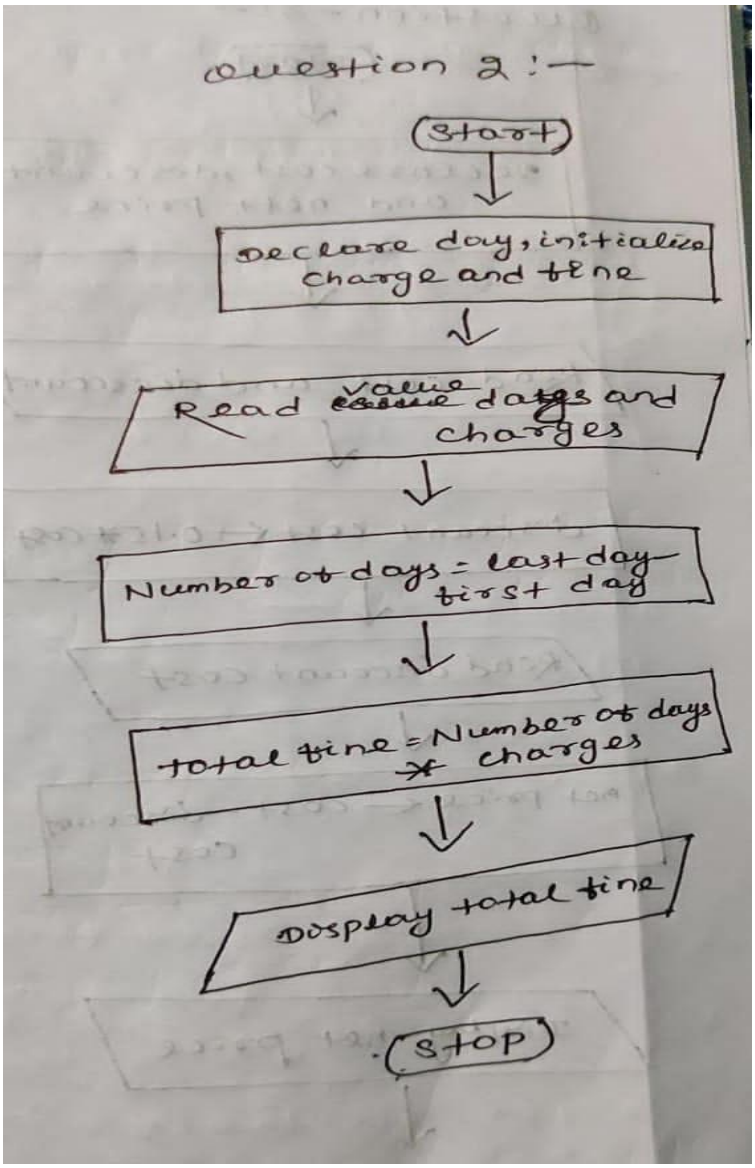
Step:3 Read values days and charges

Step:4 Number of days = last day -first day

Step:5 Total fine = Number of days*charges

Step:6 Display total fine

Step:7 Stop



3.You had bought a nice shirt which cost Rs.29.90 with 15% discount . Count the Nett Price for the shirt.

Step:1 Start

Step:2 Declare cost,discount and net price

Step:3 Read values cost and discount

Step:4 Multiply the discount,cost and find the discount cost

Disscount cost=0.15*cost

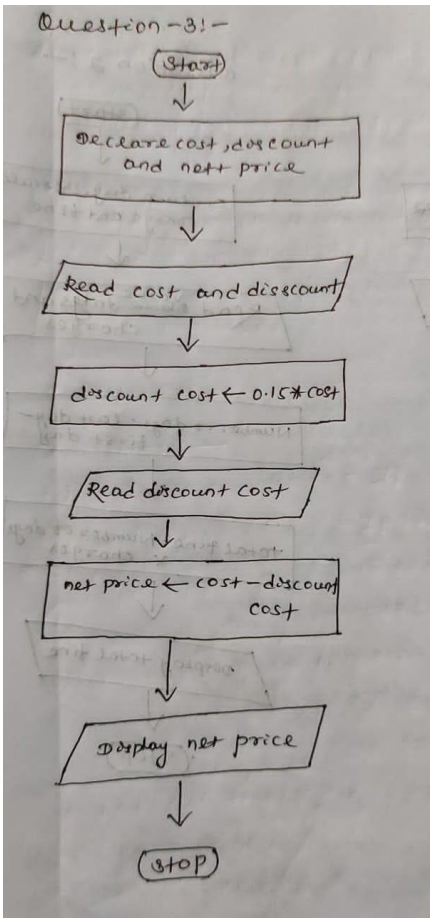
Step:5 Read disscount cost

Step:6 Subtract the actual cost and discount cost and assign the result in net price

Net price=Cost-Disscount Cost

Step:7 Display net price

Step:8 Stop



4.Find the smallest number among three different numbers.

Step:1 Start

Step:2 Declare Variables a,b and c

Step:3 Read Variables a,b and c

Step:4 if a<b

If a<c

Display a is the smallest number

Else

Display c is the smallest number

Else

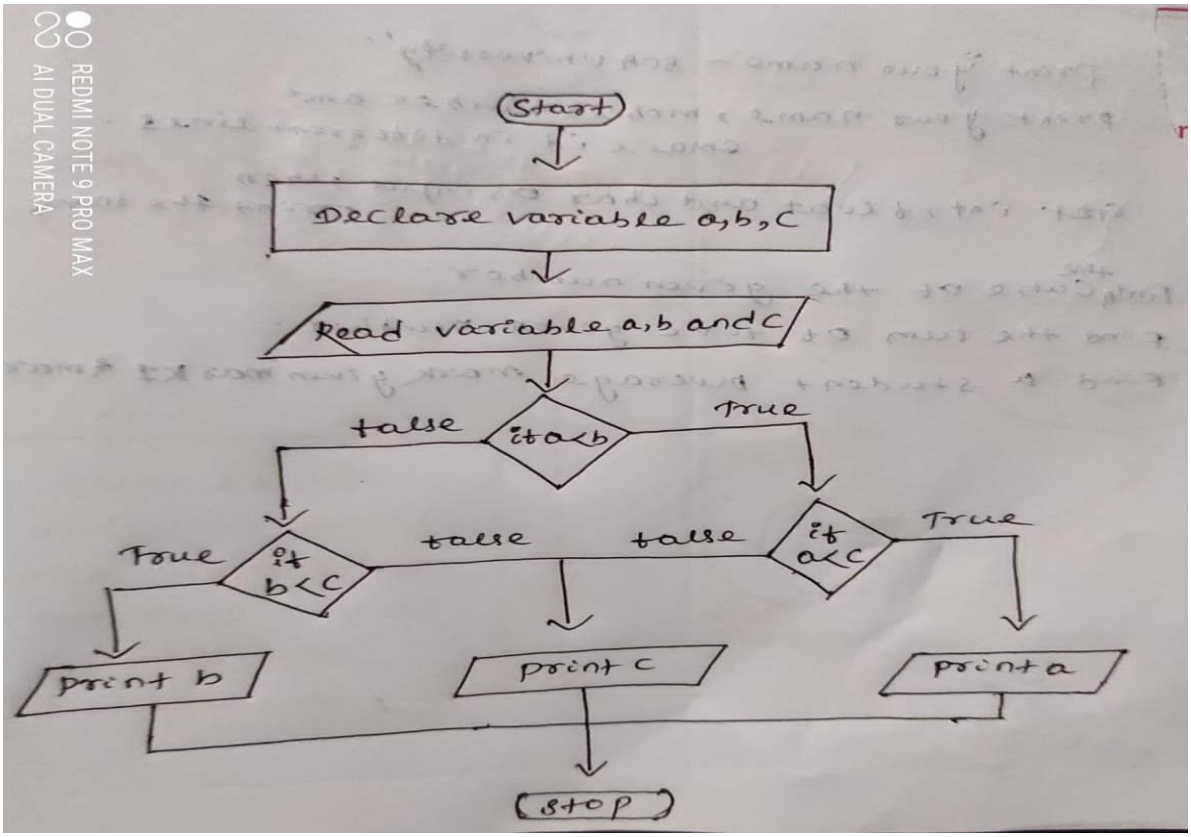
If b<c

Display b is the smallest number

Else

Display c is the smallest number

Step:5 Stop



5.Find the roots of a quadratic equation $ax^2+bx=c=0$.

Step:1 Start

Step:2 Declare variables a,b,c

Step:3 Read variables a,b,c

Step:4 Find the value of D using the formula

d ←sqrt(b*b-4*a*c)

Step:5 If D is greater than or equal to zero find 2 roots

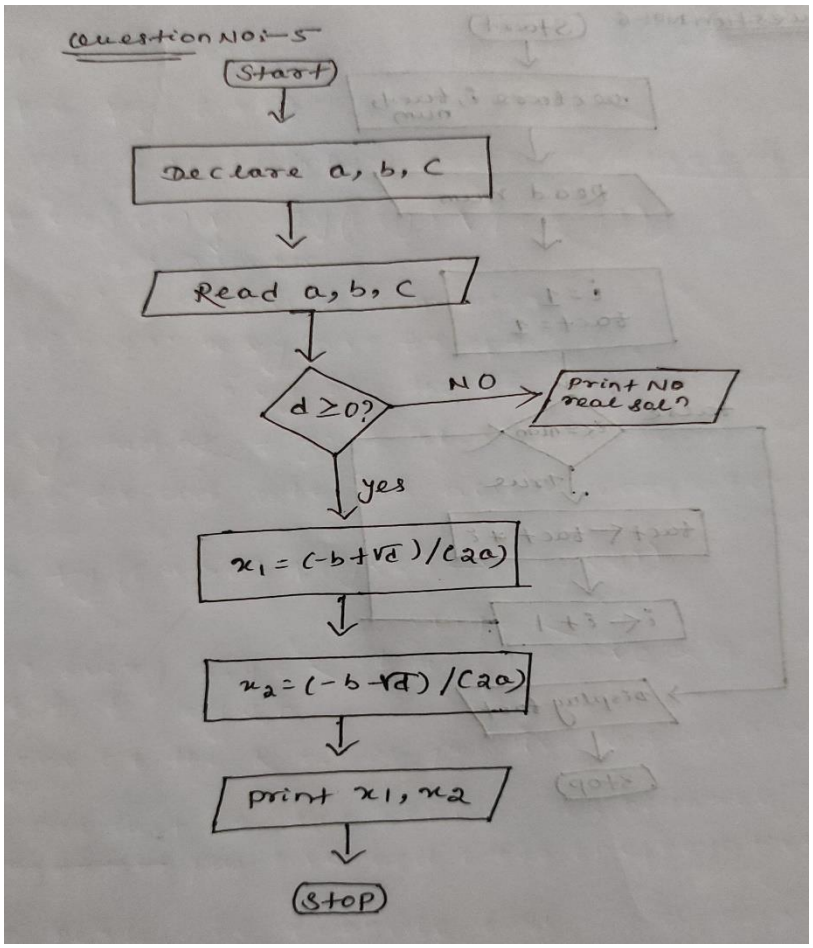
x1 ←(-b+sqrt(d))/(2*a)

x2 ←(-b-sqrt(d))/(2*a)

Step:6 Display x1,x2

Step:7 If D is less than zero ,then print No real solutions

Step:8 Stop



6.Find the factorial of a given number.

Step:1 Start

Step:2 Declare the variable I,fact,num

Step:3 Read the value of num

Step:4 initialize counter variable i to 1 and fact to 1

Step:5 if i<=num go to step 6 otherwise go to step 7

Step:6 Fact←fact*i

Step:7 increment counter variable i and go to step 5

Step:8 Display fact

Step:9 Stop