1.FIND THE AVERAGE MARK OF THE STUDENT GIVEN MARK1 AND MARK2.

Step 1: start

Step 2: Declare variables mark1, mark2, average.

Step 3: Read variables mark1, mark2.

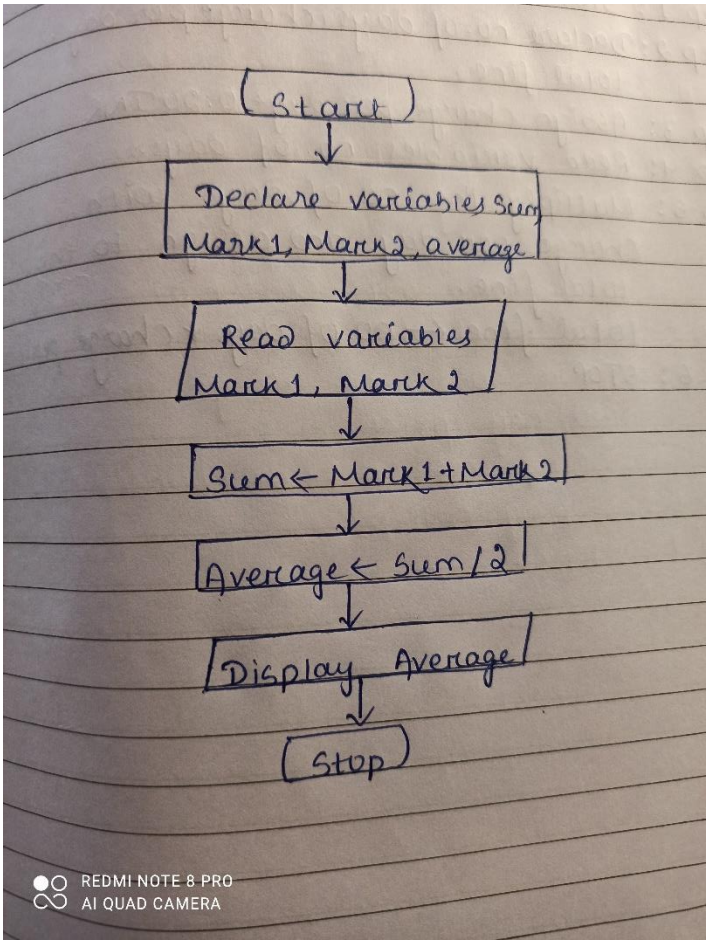
Step 4: Add mark1 and mark2 and divide by 2 and assign to average.

Average←(mark1+mark2)/2

Step 5: Display average.

Step 6: Stop.

FLOWCHART:



2.CALCULATE THE TOTAL FINE CHARGED BY LIBRARY FOR LATE-RETURN BOOKS.THE CHARGE IS 0.20INR FOR 1 DAY.

Step 1: Start.

Step 2: Declare no. of days, charge per day, total fine.

Step 3: Assign charge per day to 0.20INR.

Charge per day<-0.20INR

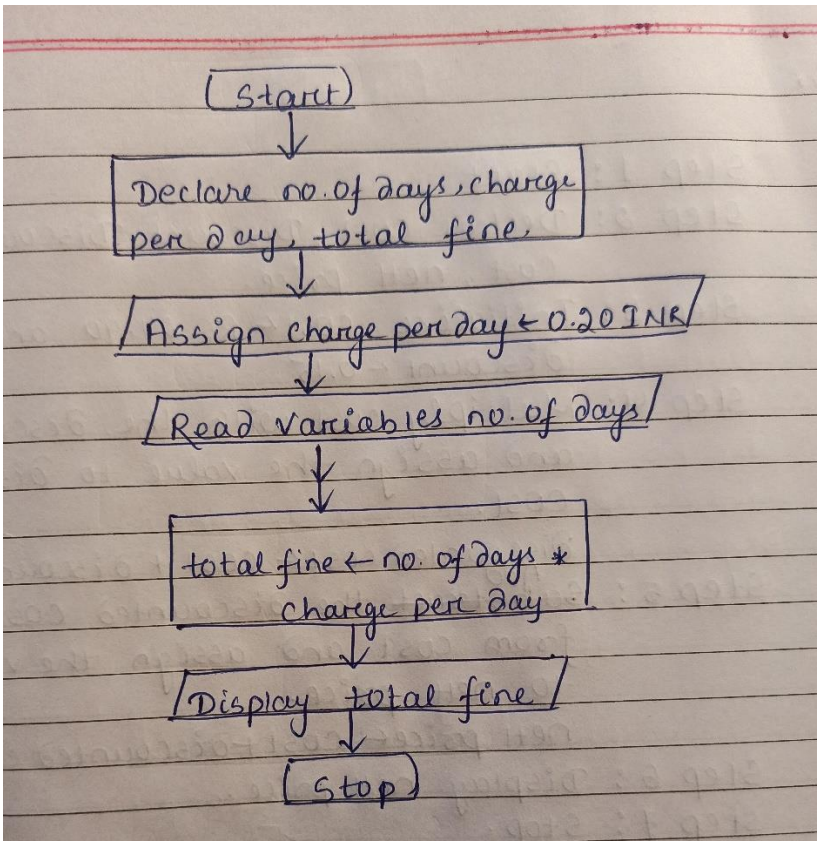
Step 4: Read variables no. of days.

Step 5: Multiply the no of days with charge per day and assign to total fine.

Total fine←no of days*charge per day

Step 6: Stop.

FLOWCHART:



3.YOU HAD BOUGHT A NICE SHIRT WHICH COST RS.29.90 WITH DISCOUNT 15%. FIND THE NETT PRICE.

Step 1: Start.

Step 2: Declare cost, discount, discounted cost, net price.

Step 3: Initialize cost to RS.29.90 and discount to 0.15.

Cost ← RS29.90

Discount←0.15

Step 4: Multiply cost with the discount and assign the value to discounted cost.

Discounted price ← cost*discount

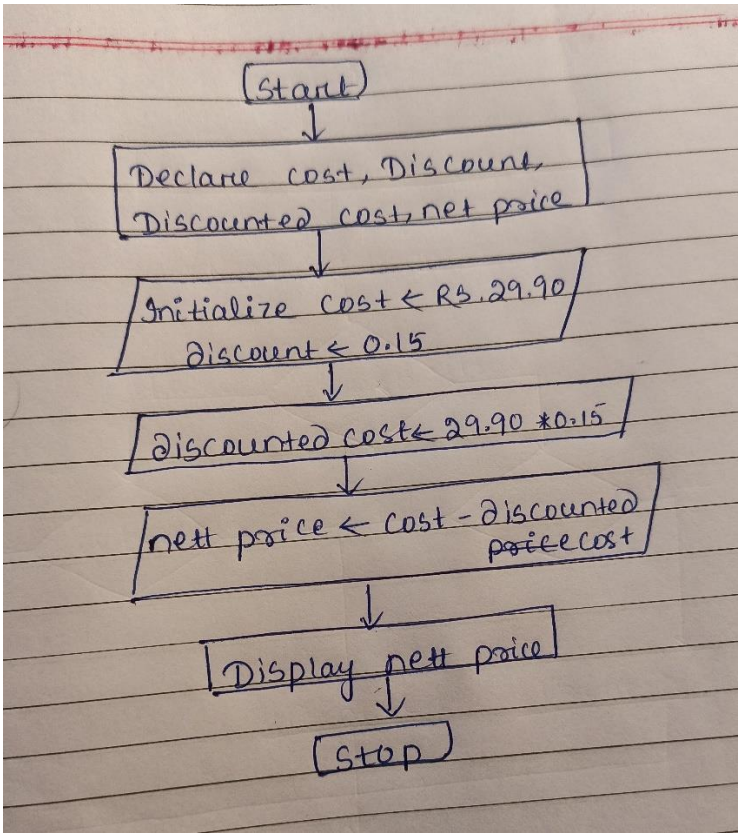
Step 5: Subtract the discounted cost from the cost and assign the value to net price.

Net price← cost-discounted cost

Step 6: Display net price.

Step 7: Stop.

FLOWCHART:



4.FIND THE SMALLEST AMONG THE THREE NUMBER.

Step 1: Start.

Step 2: Declare variables a, b, c.

Step 3: Read variables a, b, c.

Step 4: if a<b

If a<c

Display a is the smallest number.

Else

Display c is the smallest number.

If b<c

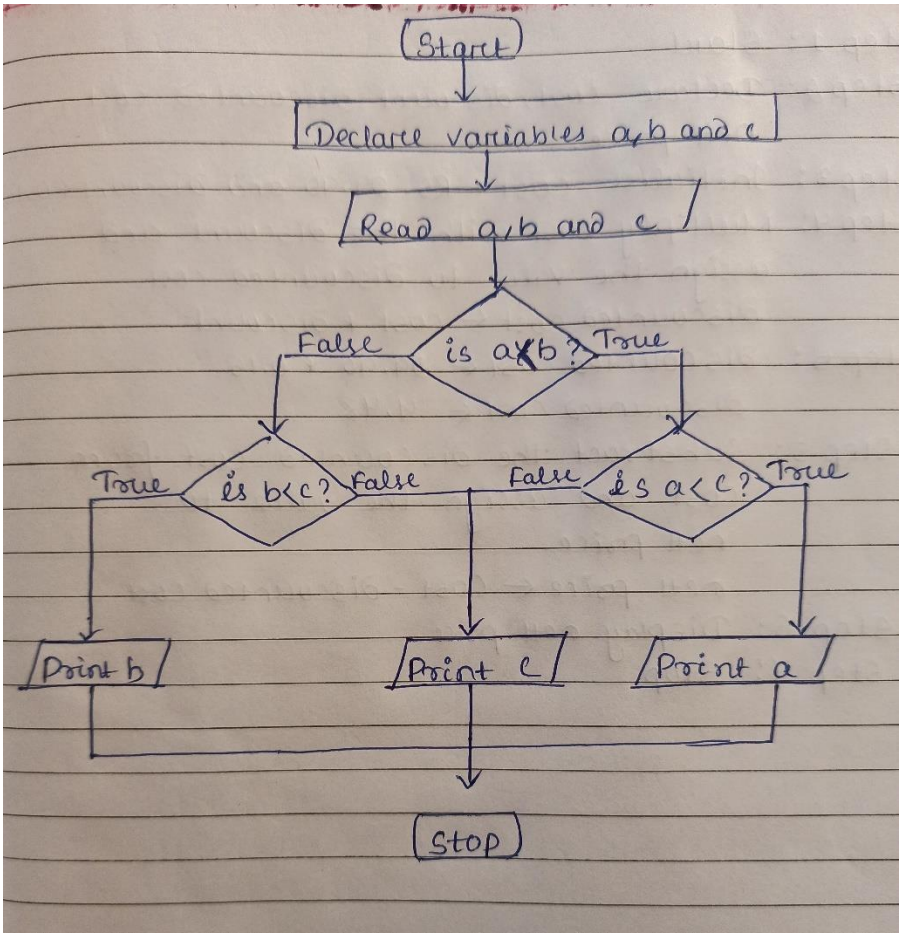
Display b is the smallest number

Else

Display c is the smallest number

Step 5: Stop.

FLOWCHART:



5.FIND THE ROOTS OF A QUADRATIC EQUATION.

Step 1: Start.

Step 2: Declare a, b, c, D, root1, root2.

Step 3: Read a,b,c.

Step 4:D←√(b*b-4ac)

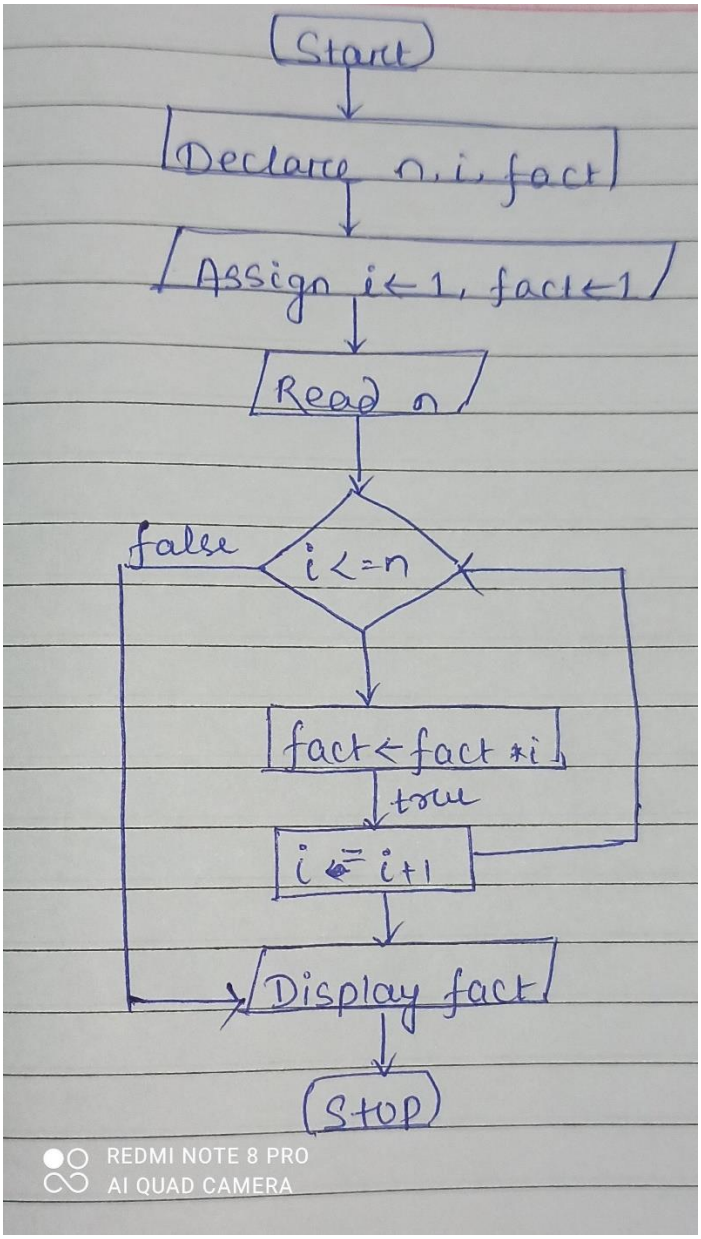
Step 5: root1←(-b+D)/2a

Step 6: root2←(-b-D)/2a

Step 7: Display root1, root2.

Step 8: Stop.

FLOWCHART:



6.FIND THE FACTORIAL OF GIVEN NUMBER.

Step 1: Start.

Step 2: Declare n , I ,fact.

Step 3: Assign i to 1 and fact to 1.

i←1

fact←1

Step 4: Read n.

Step 5: if i<n go to step 6 otherwise go to step 8

Step 6: multiply fact with i.

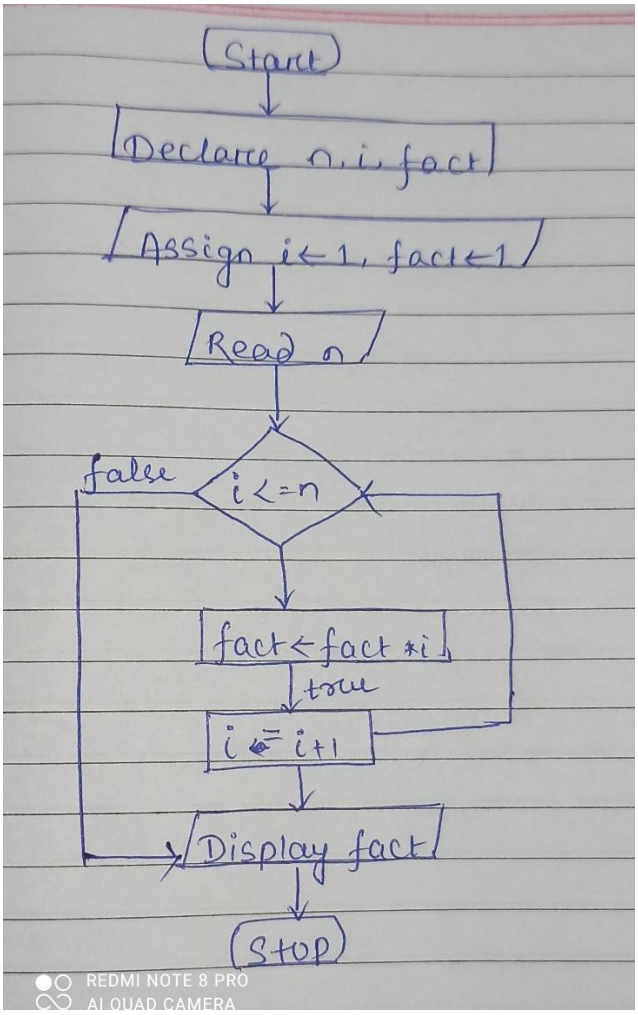
Fact←fact*i

Step 7: Increment the value of I and go to step 5.

Step 8: Display fact.

Step 9: Stop.

FLOWCHART:


Start
Declare n, i, fact
Assign i←1, fact←1
Read n
false
i<=n
fact←fact*i
true
i←i+1
Display fact
Stop