**Q1. Find a student average mark given mark1 & mark2.**

*Step1:* Start

*Step2*: Declare variable mark1,mark2,sum and avg

*Step3*: Read the value of mark1 & mark2

*Step4*: sum=mark1+mark2

*Step5*: avg=sum/2

*Step6*: Display avg

*Step7*: Stop

**Q2. Calculate the total fine charged by library for late-return books. The charge is 0.20 INR for 1 day.**

*Step1*: Start

*Step2*: Declare the variable day, fine

*Step3*: Read the value of the day

*Step4*: fine=day\*0.20

*Step5*: Display fine

*Step6*: Stop

**Q3. You had bought a nice shirt which cost Rs 29.90 with 15% discount. Count the net price for the shirt.**

*Step1*: Start

*Stpe2*: Declare the variable cost, netprice

*Step3*: Read the value of cost

*Step4*: netprice=(cost\*100)/85

*Step5*: Display netprice

*Step6*: Stop

**Q4. Find the smallest number among three different numbers**

*Step1*: Start

*Step2*: Declare variable a,b,c

Step3: Read the value of a,b,c

Step4: if a<b && 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

Step5: Stop

**Q5. Find the Roots of a quadratic equation ax2+bx+c=0**

*Step1*: Start

*Step2*: Declare the variable a,b,c,d,root1,root2

*Step3*: Read the value of a,b,c

*Step4*: d=b\*b-4\*a\*c

if(d<0)

Display first root b/(2\*a),sqrt(-d)/(2\*a)

Display second root –b/(2\*a), sqrt(-d)/(2\*a)

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root1=(-b+sqrt(d))/(2\*a)

root2=(-b-sqrt(d))/(2\*a)

*Step5*: Display root1 & root2

*Step6*: Stop

**Q6. Find the factorial of a given number**

Step1: Start

Step2: Declare the variable i,fact,num

Step3: Read the value of num

Step4:for(i=1;i<=num;i++)

fact=fact\*i;

Step5: Display the fact

Step6: Stop