Assignment 1

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)
Eese
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