

ASSIGNMENTN 1

QUSTION 1:-

Find a Student average mark given mark1 & mark2.

Answer:-

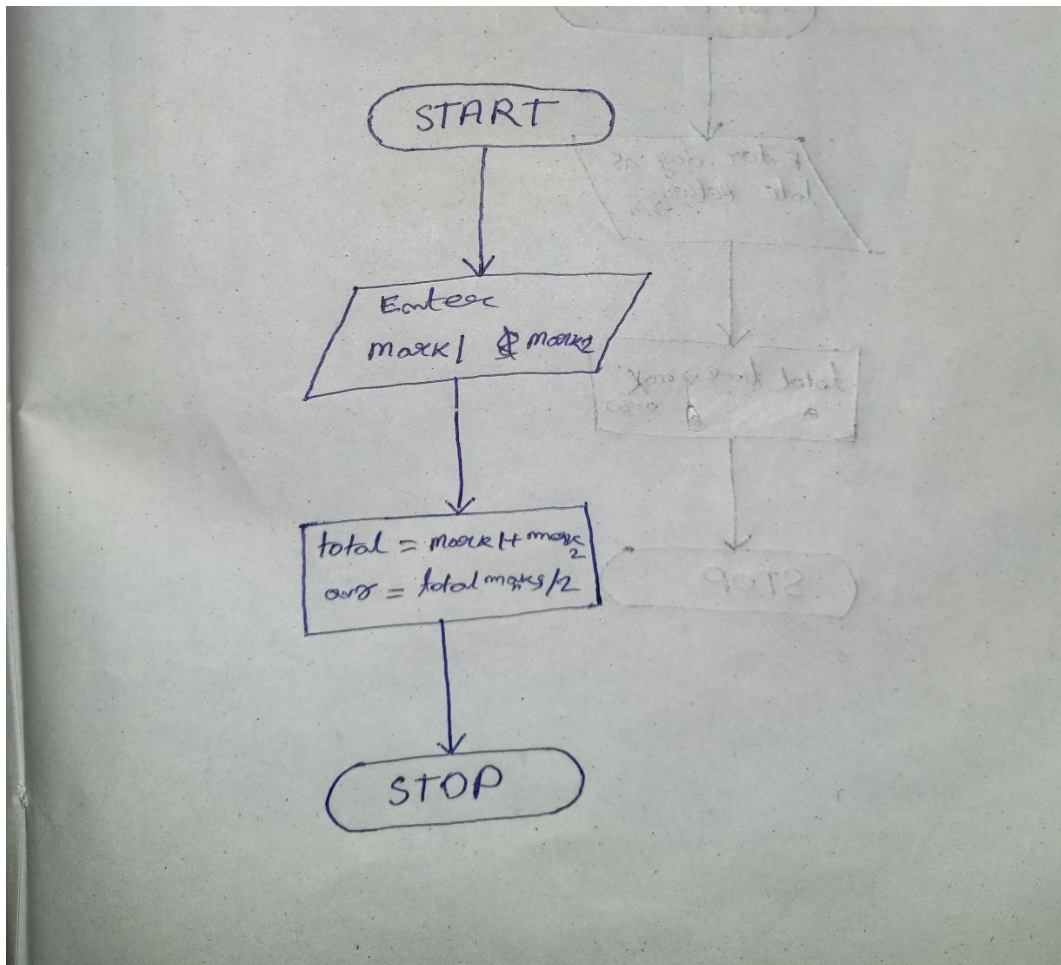
Step 1- START

Step 2- Enter mark1 & mark2.

Step 3- Total= mark1 + mark2

Avg= total/2.

Step 4- STOP.



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QUESTION 2 :-

Calculate the total fine charged by library for late -return books.

The charge is 0.20 INR for 1 day.

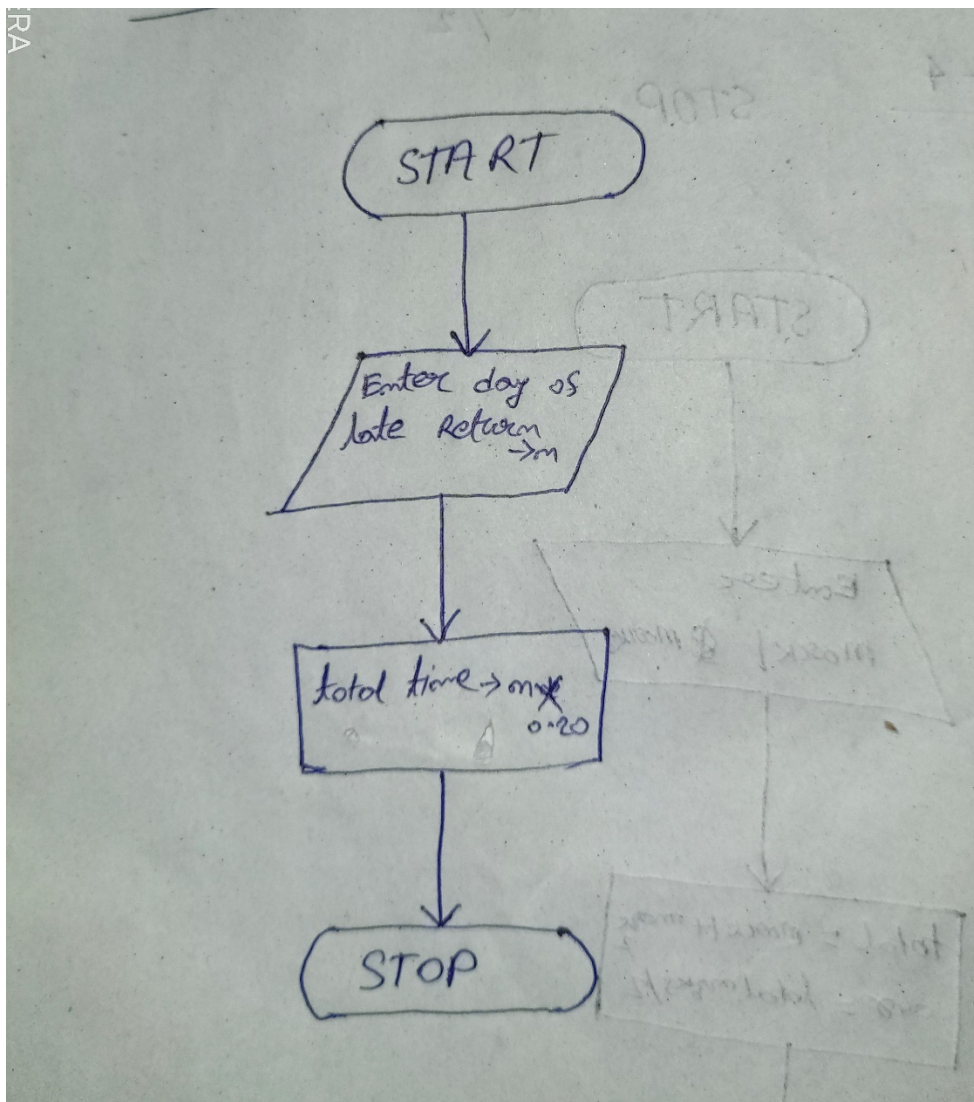
ANSWER:-

Step 1- START

Step 2- Enter day of late Return n .

Step 3- Total time $n * 0.20$

Step 4- STOP.



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QUESTION 3:-

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

ANSWER:-

Step 1- START

Step 2- Declare variable nett price, cost, & discount cost.

Step 3- Initialize cost = 29.90 and discount is 15% that means 0.15.

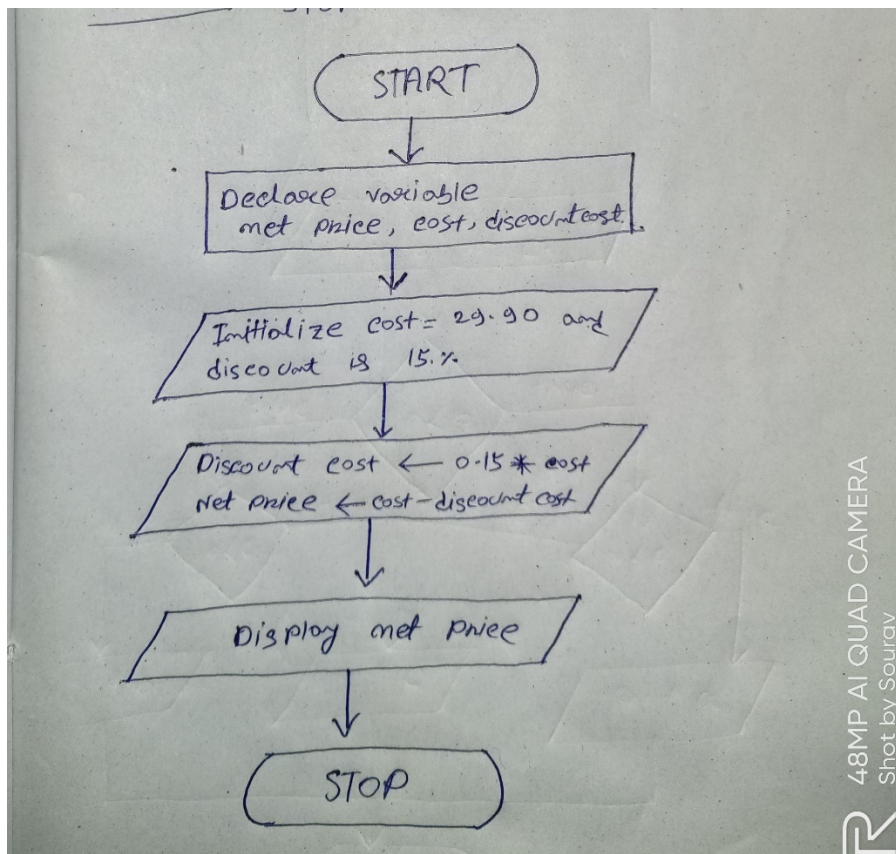
Step 4- multiply cost with discount and assign the result to discount cost, then subtract discount cost from cost & assign the result to net price.

Discount cost = $0.15 * \text{cost}$

Net price = cost - discount cost.

Step 5- Display Nett price

Step 6- STOP.



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QUESTION 4:-

Find the smallest number among three different numbers.

ANSWER:-

Step 1- START

Step 2- Enter three numbers a, b & c

Step 3- Read three numbers a, b & c

Step 4- If $a < b$ && If $a < c$

Display a is the smallest number,

Else, Display c is the smallest number,

Else,

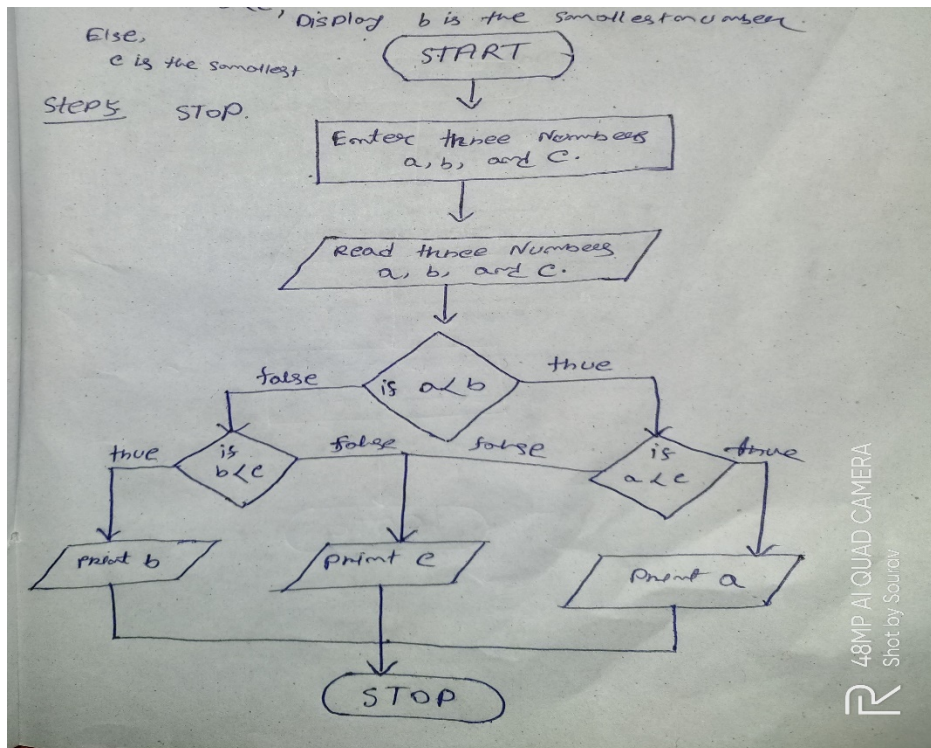
If $b < c$

Display b is the smallest number,

Else,

Display c is the smallest number.

Step 5- STOP.



QUESTION 5:-

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Find the Roots of a quadratic equation $ax^2 + bx + c = 0$

ANSWER:-

Step1: Start

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

Step3: Read the value of a,b,c

Step4: $d = b^2 - 4ac$

if($d < 0$)

Display first root $b/(2a), \sqrt{-d}/(2a)$

Display second root $-b/(2a), \sqrt{-d}/(2a)$

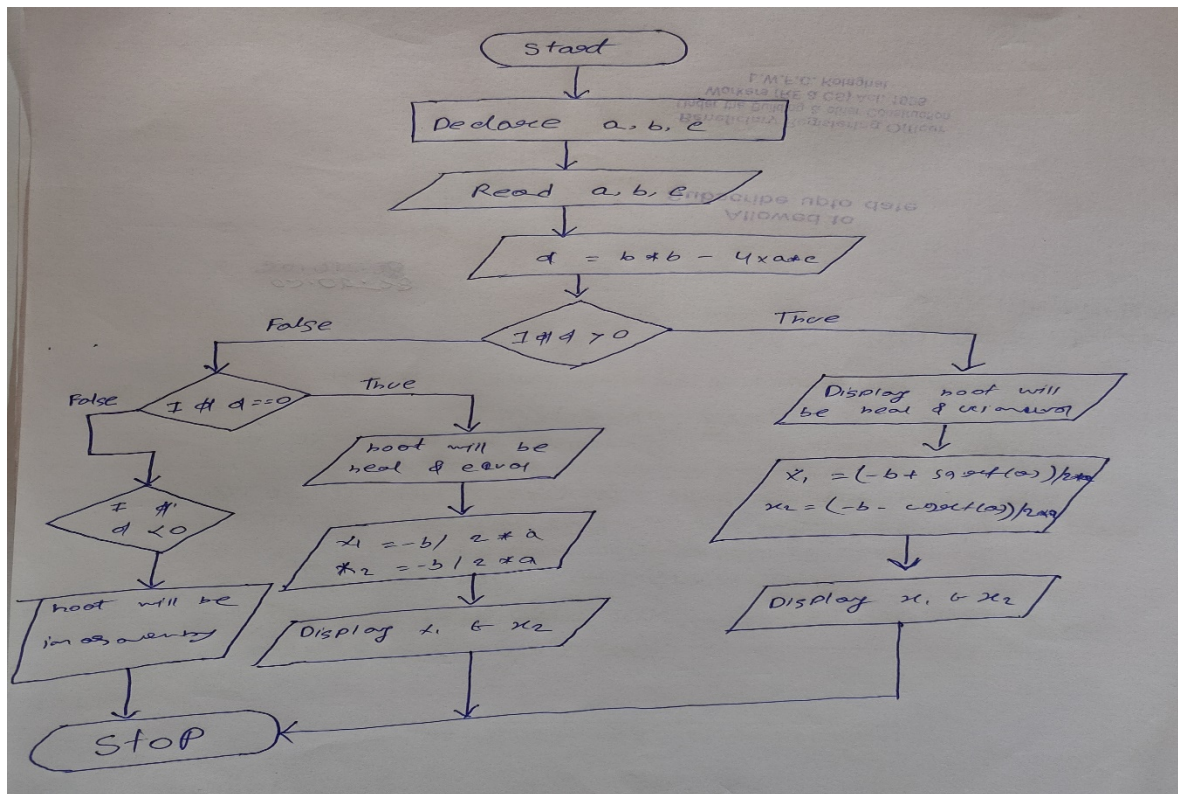
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$root1 = (-b + \sqrt{d})/(2a)$

$root2 = (-b - \sqrt{d})/(2a)$

Step5: Display root1 & root2

Step6: Stop



QUESTION 6:-

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Find the factorial of a given number

ANSWER:-

Step1: Start

Step2: Declare the variable i,fact,num

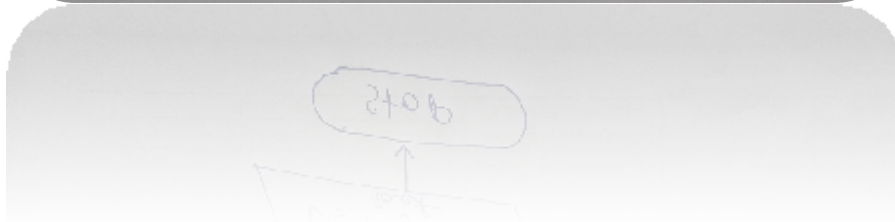
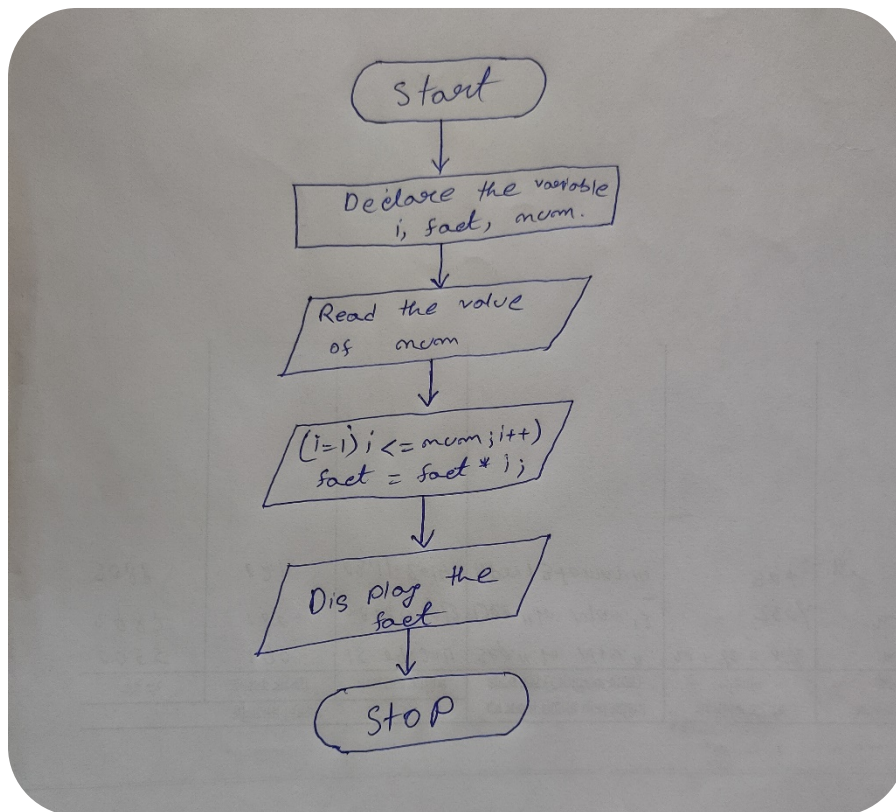
Step3: Read the value of num

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

fact=fact*i;

Step5: Display the fact

Step6: Stop



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