

1) Find a student average mark given mark1 and mark2.

Step 1: start

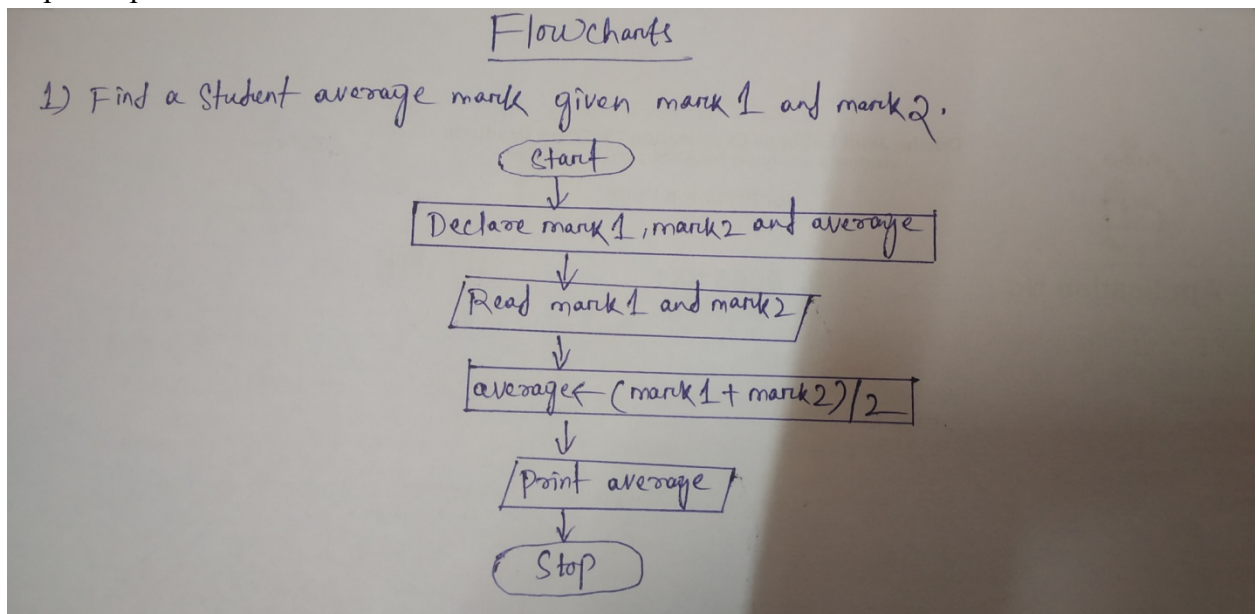
Step 2: declare mark1, mark2 and average

Step3: read values mark1 and mark2

Step4: add mark1 and mark2 and divide by 2 and assign the result to average

Step5: print average

Step6: stop



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

Step 1: start

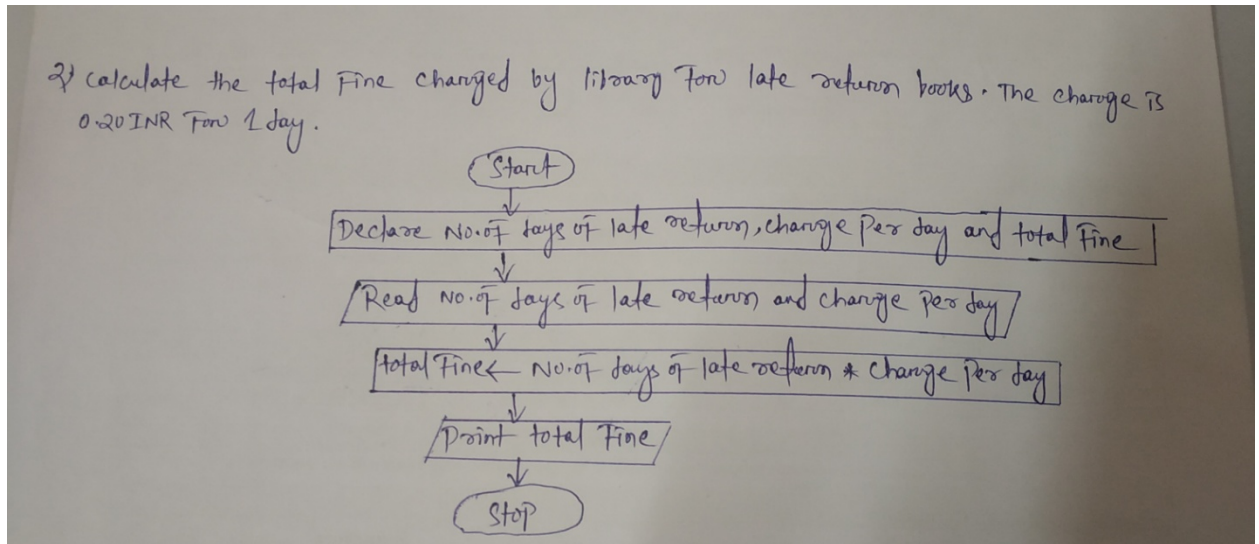
Step 2: declare no. of days of late return, charge per day and total fine

Step 3: read no. of days of late return and charge per day

Step 4: multiply no. of days and charge per day and assign the result to total fine

Step 5: print total fine

Step 6: stop



- 3) You had bought a nice shirt which cost Rs 29.90 exclusive of 15% discount. Count the discounted price for the shirt.

Step 1: start

Step 2: declare cost, discount, discounted cost and idc

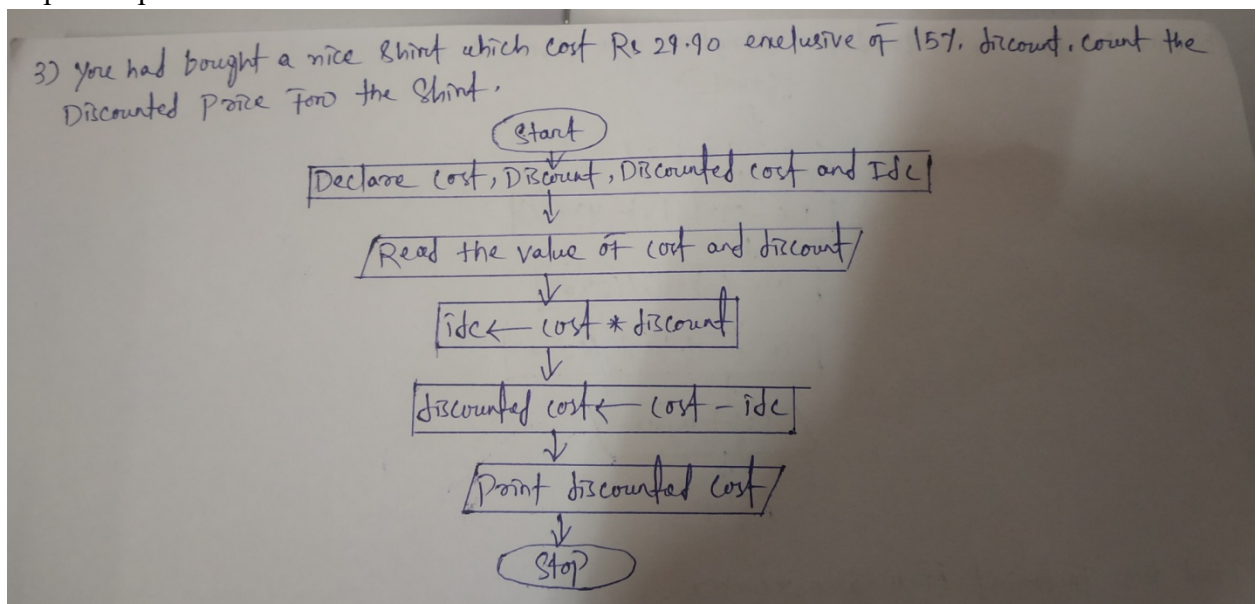
Step 3: read the value of cost and discount

Step 4: multiply cost and discount and assign the result to idc

Step 5: subtract idc from cost and assign the result to discounted cost

Step 6: print discounted cost

Step 7: stop



- 4) Find the smallest number among three different numbers.

Step 1: start

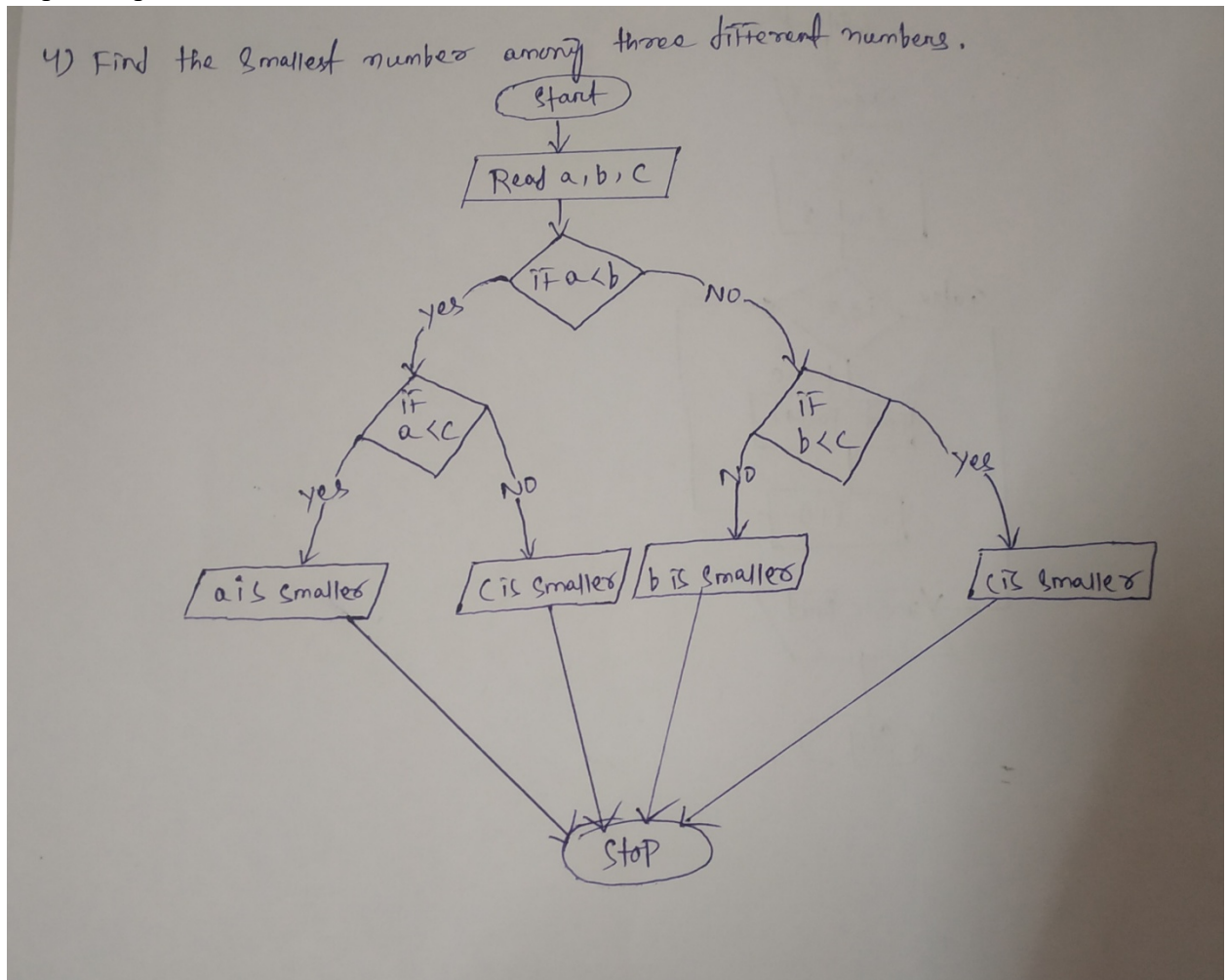
Step 2; declare three variables a, b, c

Step 3: compare a with b and c, if a is smaller than b and c then a is smallest among three numbers

Step 4: compare b with a and c, if b is smaller than a and c then b is smallest among three numbers

Step 5: else c is the smallest among three numbers

Step 6; stop



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

Step 1: start

Step 2: declare the required variables

Step 3: indicate the user to enter the coefficients of the quadratic equation by displaying suitable sentences using `printf()` function

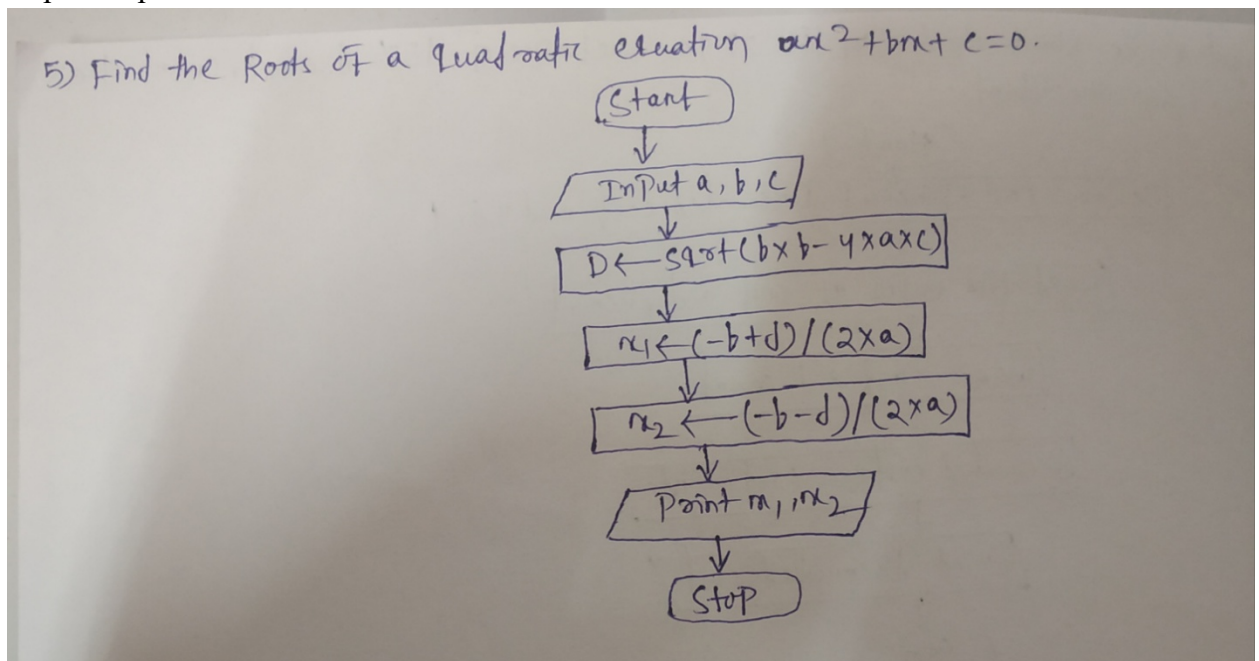
Step 4: wait using the `scanf()` function for the user to enter the input

Step 5; calculate the roots of quadratic equation using the proper formulae

Step 6: display the result

Step 7: wait for user to press a key using `getch()` function

Step 8: stop



6) Find the factorial of a given number.

Step 1: start

Step 2: read n

Step 3: initialize counter variable I to 1 and fact to 1

Step 4: if $i \leq n$ go to step 5 otherwise go to step 7

Step 5: calculate $\text{fact} = \text{fact} * i$

Step 6: increment counter variable I and go to step 4

Step 7: write fact

Step 8: stop

6) Find the Factorial of a given number

