Assingment 1

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

   Algorithm:

   Step1: Start

   Step2: Declare variable mark1, mark2 and avg.

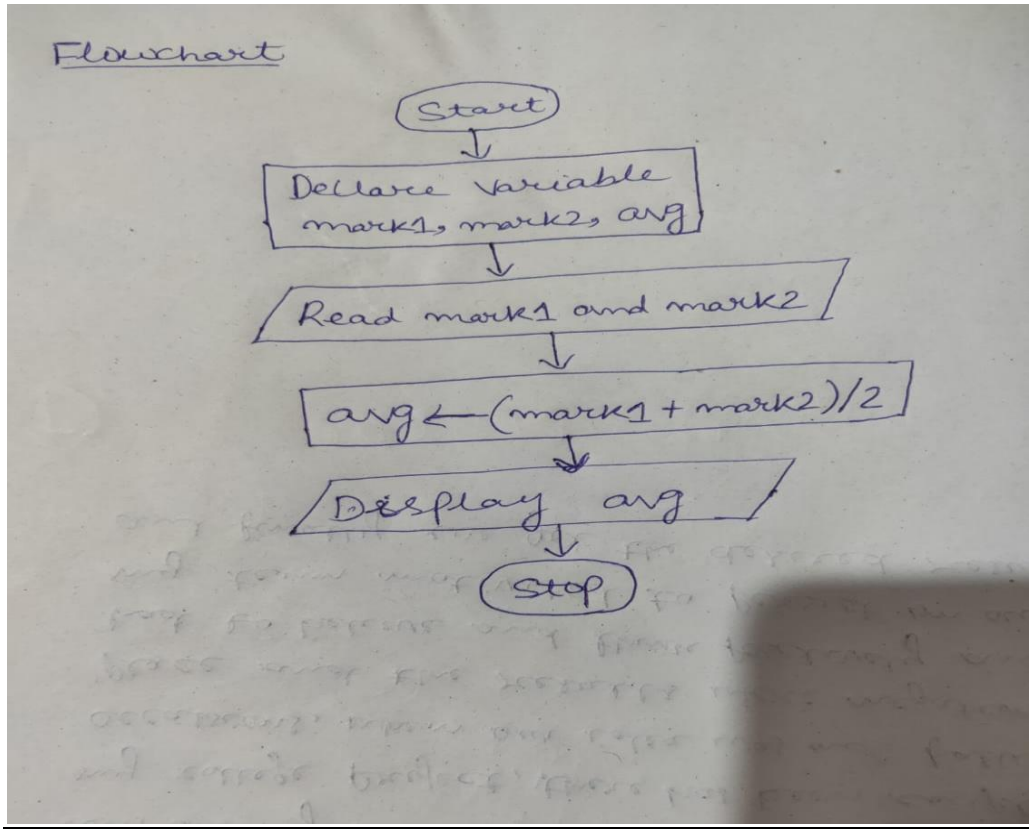
   Step3: Read values of mark1 and mark2.

   Step4: Add mark1 and mark2 and divide it with 2 and assign the result to avg.

   avg←(mark1+mark2)/2

   Step5: Display avg

   Step6: Stop



2. Calculate the total fine charged by library for late-return book. The charge is 0.20 for 1 day.

Algorithm:

Step1: Start

Step2: Declare variable days and fine.

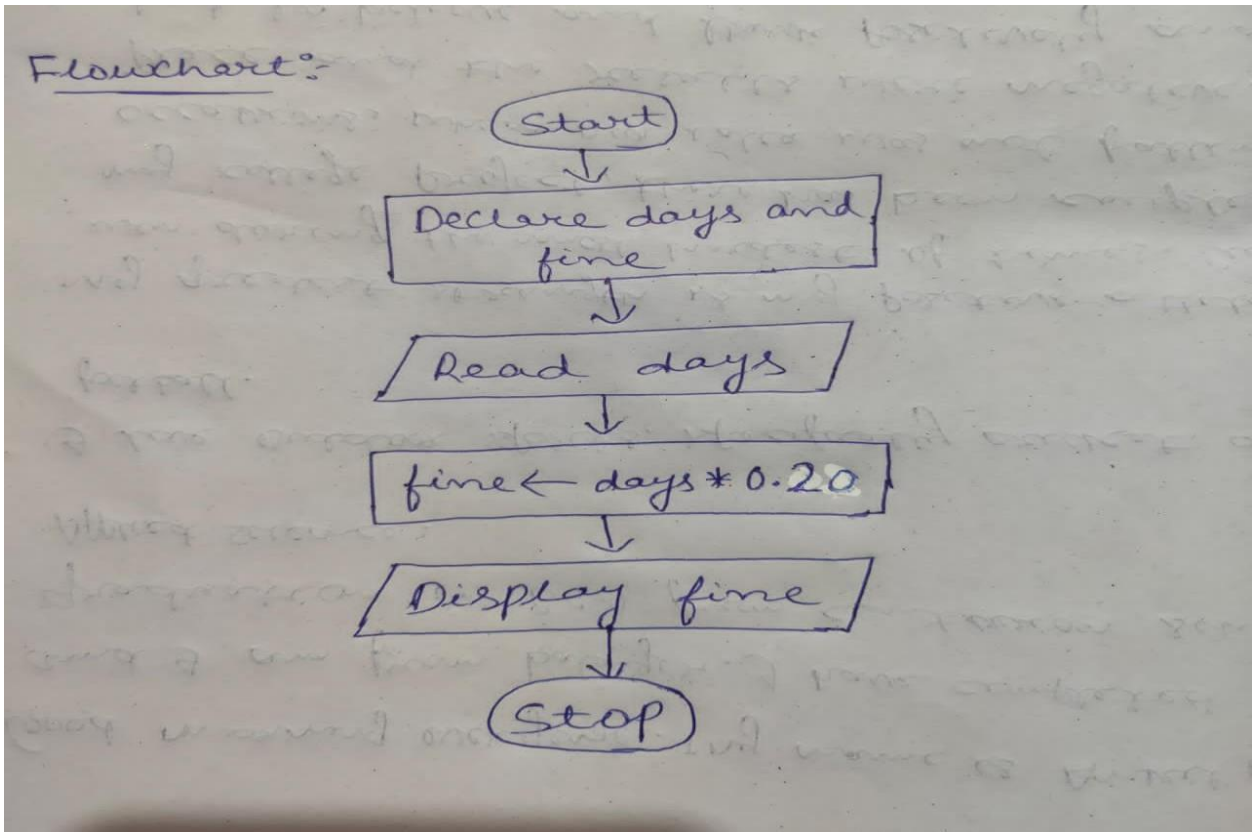
Step3: Read value of days.

Step4: Multiply the value of days with 0.20 and assign the result to fine.

fine←days*0.20

Step5: Display fine.

Step6: Stop



3. You had bought a nice shirt which cost Rs.29.90 with 15% discount. Count the nett price for the shirt.

   Algorithm:

   Step1: Start

   Step2: Declare variable shirt=29.90, dis and netprice.

   Step3: Read value of shirt.

   Step4: Calculate

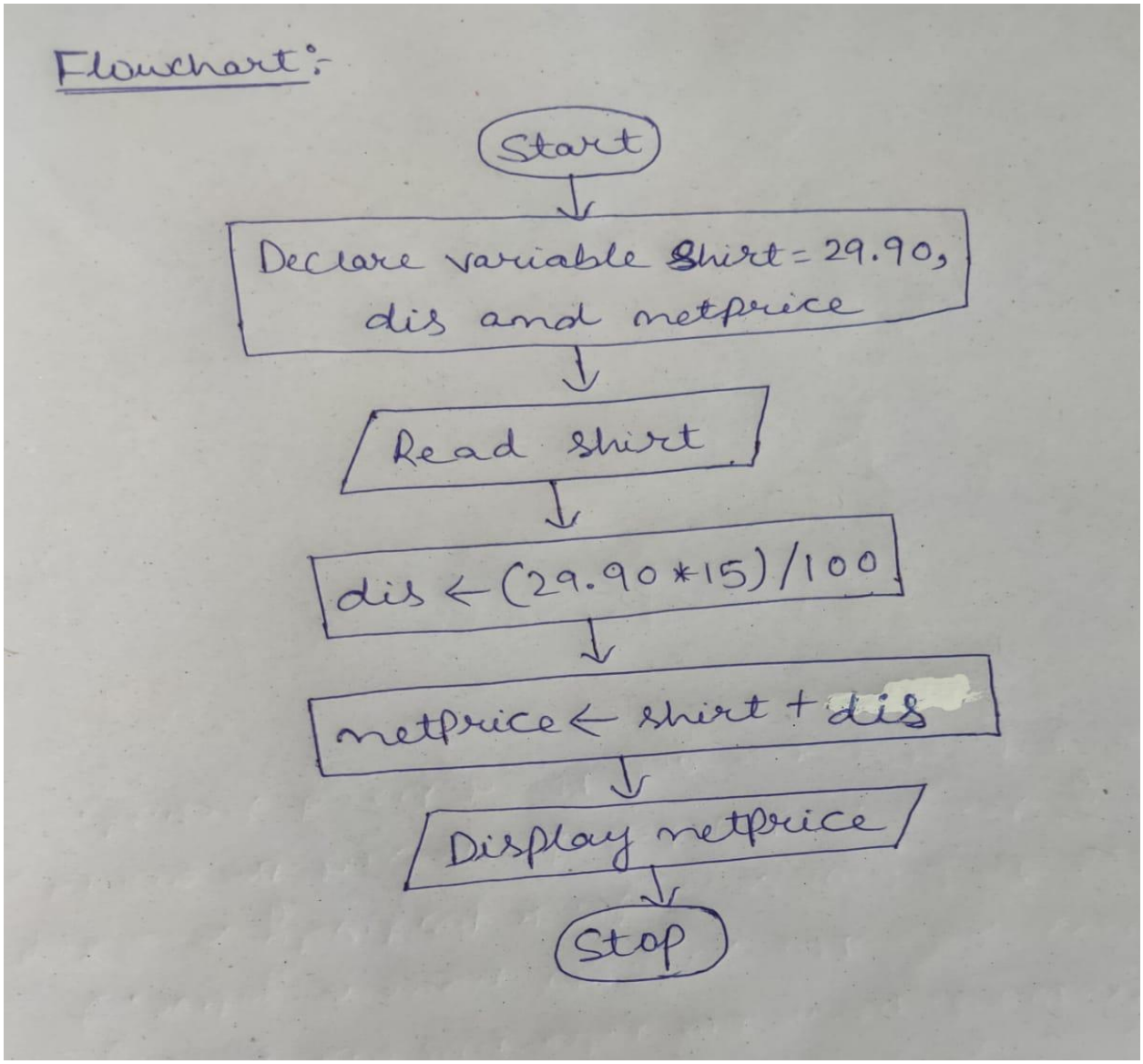
   dis←(29.90*15)/100

   Step5: Add value of shirt and dis and assign the result in netprice

   netprice←shirt+dis

   Step6: Display netprice

   Step7: Stop



4. Find the smallest number among three different number.

Algorithm:

Step1: Start

Step2: Declare variable a, b and c

Step3: Read a, b and c

Step4: if a<b and a<c

Display a is the smallest number

else

Display c is the smallest number

else

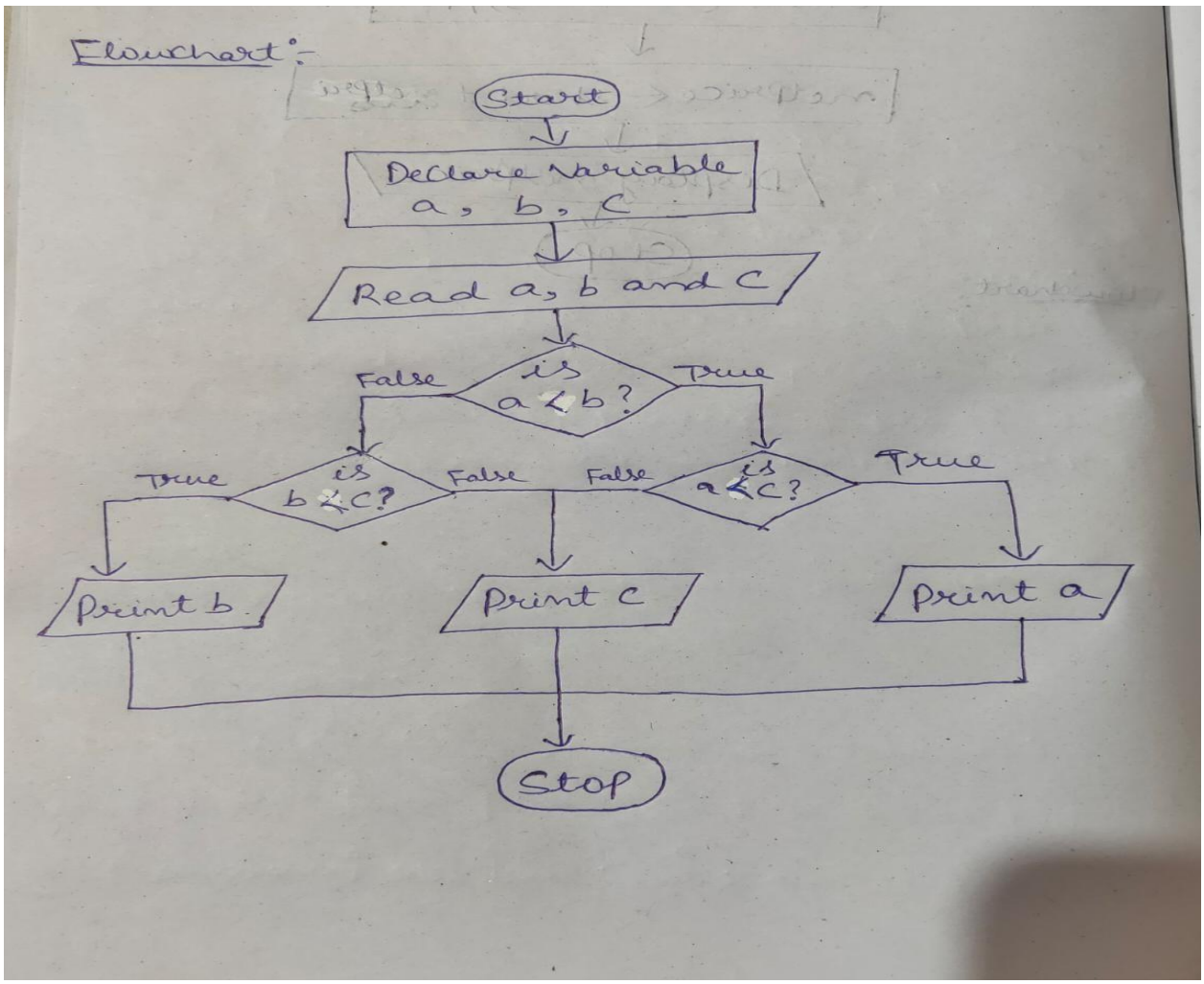
If b<c

Display b is the smallest number

else

Display c is the smallest number

Step5: Stop



5. Find the factorial of a given number.

Algorithm

Step1: Start

Step2: Declare variable n.

Step3: Read n

Step4: Assign value to variable

i=1

fact=1

Step5: Check if i<=n

If true

Calculate

i=i+1

fact=fact*i

else:

print fact

Step6: Display fact

Step7: Stop