** '+' in display suggests concatenations*

Answer 1

Step 1: START

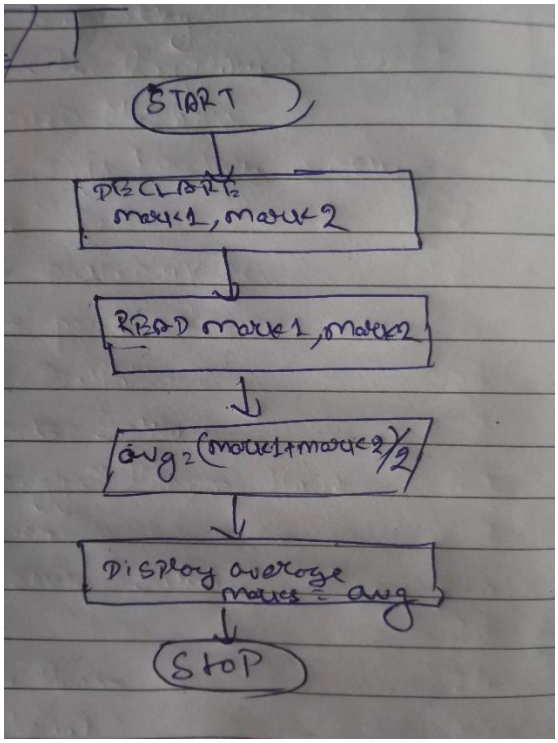
Step 2: Declare mark1, mark2 and avg

Step 3: Read mark1, mark2

Step 4 : avg = (mark1+mark2)/2

Step 5: Display average marks = avg

Step 4 : STOP



Answer 2

Step 1: START

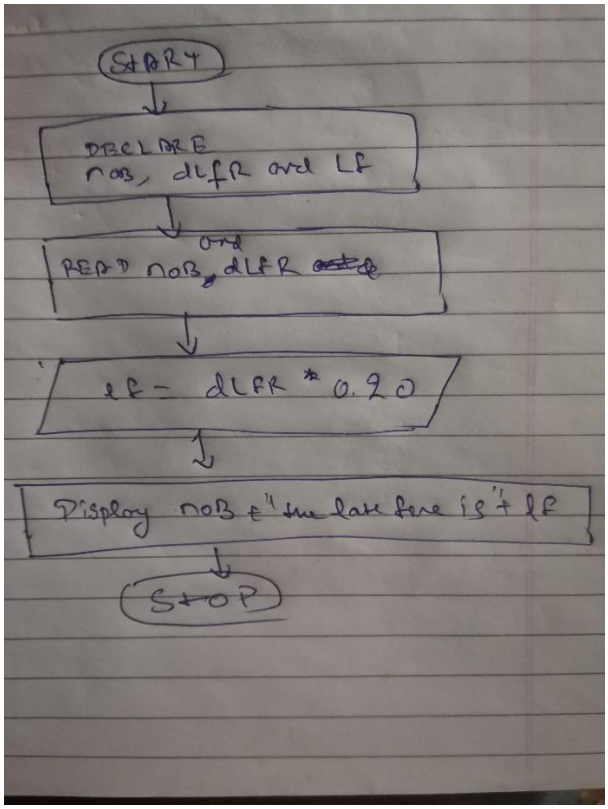
Step 2: Declare nameOfBook, daysLateForReturn and lateFine

Step 3: Read nameOfBook and daysLateForReturn

Step 4: lateFine = daysLateForReturn *0.20

Step 5: Display nameOfBook + “ the late fine is“+ lateFine

Step 6: STOP



Answer 3

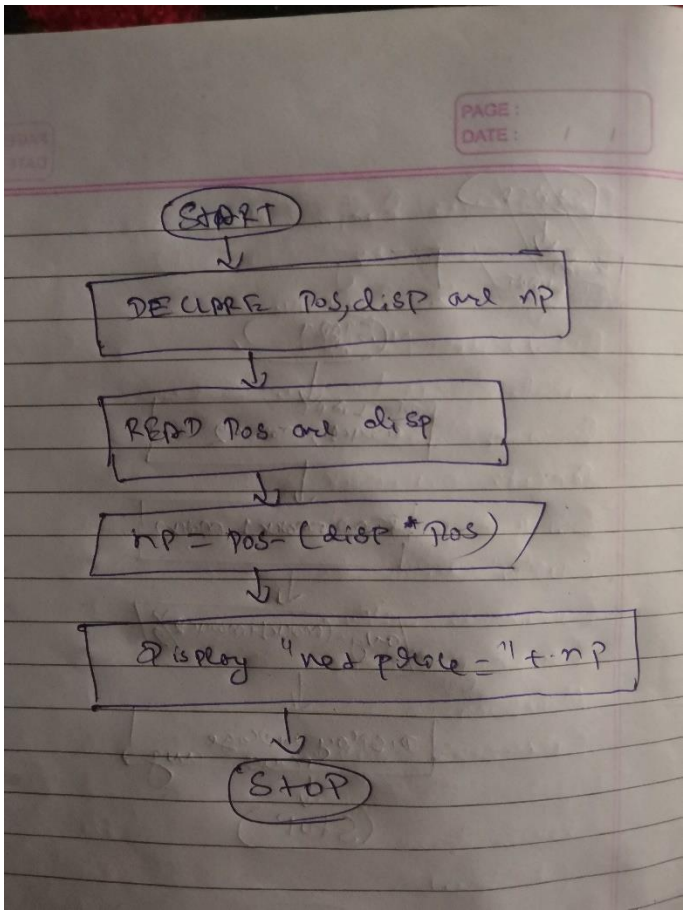
Step 1: START

Step 2: Declare pos =29.90, disp = 0.15and np

Step 3: np = 29.90 - (0.15*29.90)

Step 4: Display “net price = “ + np(25.415)

Step 5: STOP



Answer 4

Step 1: START

Step 2: Declare a,b and c

Step 3: Read a,b and c

Step 4: if a<b

If a<c

Display a is smallest

Else

Display c is smallest

Else

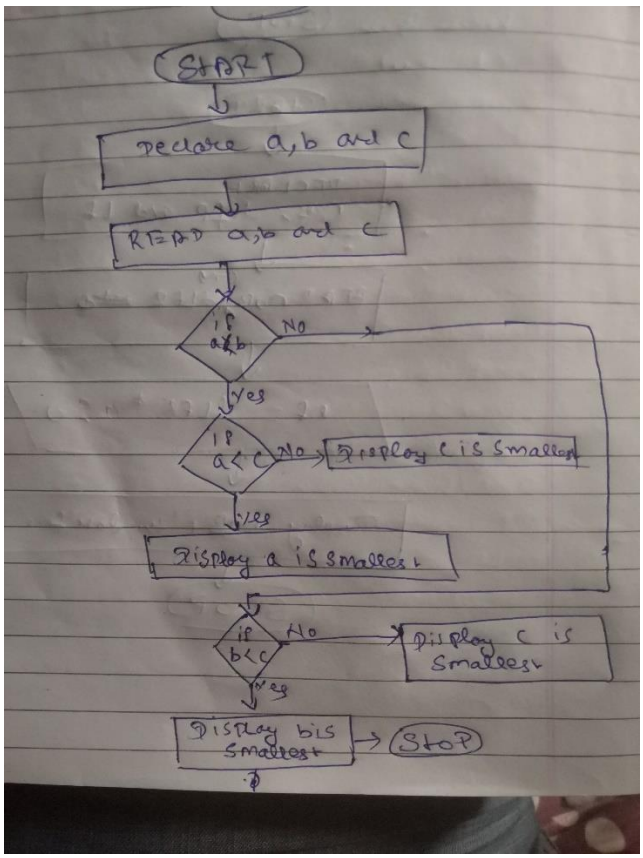
If b<c

Display b is smallest

Else

Display c is smallest

Step 5: STOP



Answer 5

Step 1: START

Step 2: Declare a, b, c, x1, x2 and d

Step 3: Read a, b and c

Step 4: d = (b^2) – (4*a*c)

Step 5: if d<0

Display “Roots are imaginary and hence cannot be obtained

Else

If d>0

x1 = (-b + $\sqrt{b^2 - (4 * a * c)}$)/2a

x2 = (-b - $\sqrt{b^2 - (4 * a * c)}$)/2a

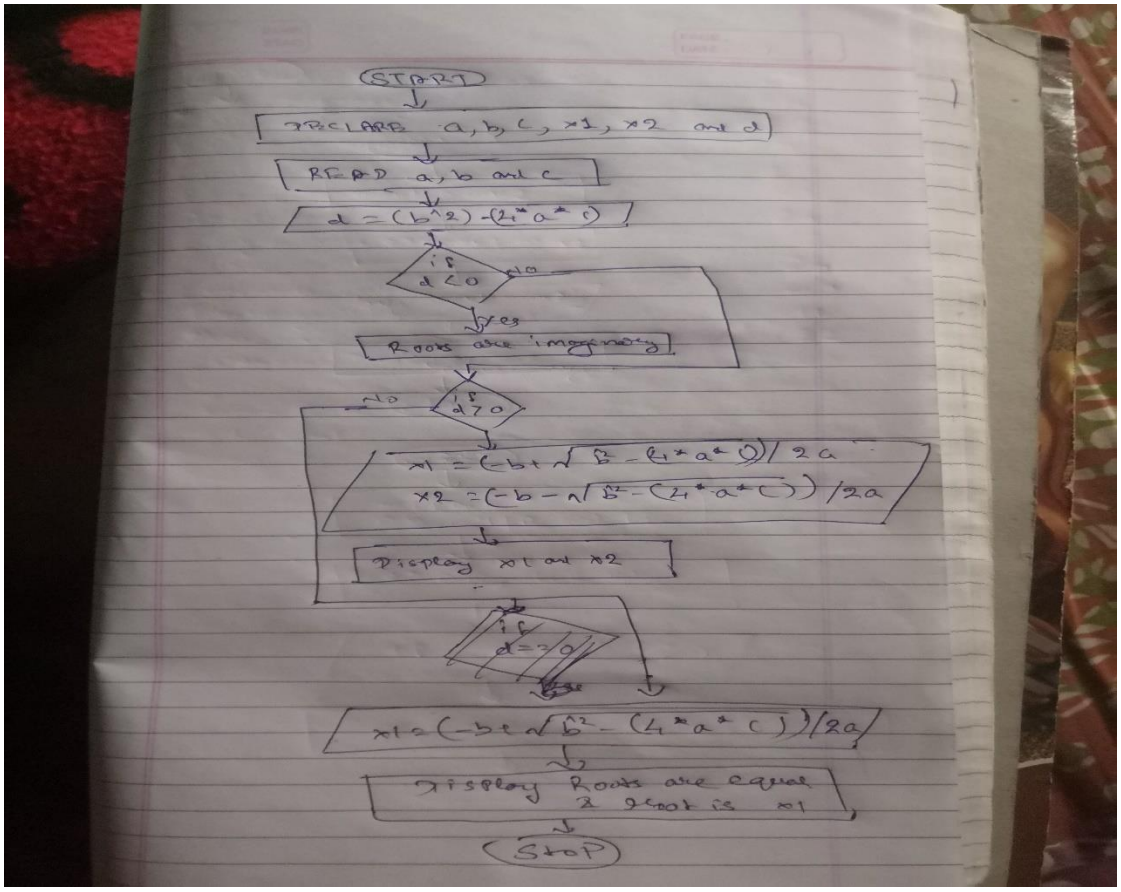
Display x1 and x2

Else

x1 = (-b + $\sqrt{b^2 - (4 * a * c)}$)/2a

Display “roots are equal and the root is” +x1

Step 6: STOP



Answer 6

Step 1: START

Step 2: Declare n, i and f

Step 3: READ n

Step 4: If n==0

Display “the factorial of the given number is 1”

else

f = n

i=1

Label 1:

If (I<n)

f = f*i

i= i+1

GOTO 1

Step 5: Display “the factorial of the given number is ”+ f

Step 6: STOP