

ID: 202001117

Name: Parva B. Dhami
P.B.D.

83

DATE

PAGE

- Assignment - I]

Q.1 Write pseudo code for identifying larger of 2 numbers.

Begin

Read no. 1 = A and no. 2 = B

if $A > B$

print ('A is larger')

else

print ('B is larger')

end

ID: 202001117

Name: - Parva B. Dhami
F.B.D.

FII00508:GT

DATE: _____

PAGE: _____

(P-2) Finding roots of a quadratic equation.

Begin

For equation : $an^2 + bn + c = 0$

enter a enter D enter rp

enter b enter root1 enter ip

enter c enter root2

Compute the discriminant D.

if $D \geq 0$

$$\text{Compute root1} = \frac{-b + \sqrt{b^2 - 4ac}}{2a}$$

$$\text{Compute root2} = \frac{-b - \sqrt{b^2 - 4ac}}{2a}$$

$$\text{else compute } rp = \frac{-b}{2a}, ip = \frac{\sqrt{D}}{2a}$$

$$\text{Compute root1} = rp + ip$$

$$\text{Compute root2} = rp - ip$$

End.

ID:- 20200117

Name:- Parva Dhami
P.B.T

DATE _____
PAGE _____

Q3. Grade computation:

Begin:-

Enter marks = x

if $x \geq 90$

Display: 'Exemplar'

else if $x \leq 89$ and $x \geq 80$

Display: 'A'

else if $x \leq 79$ and $x \geq 70$

Display: 'B'

else if $x \leq 69$ and $x \geq 60$

display: 'C'

else if $x \leq 59$ and $x \geq 50$

display: 'D'

else if $x \leq 49$ and $x \geq 35$

display: 'P'

else display: 'Fail'

End