

HOME WORK ASSIGNMENT – PSEUDOCODE

WRITE AN ALGORITHM USING PSEUDOCODE/FLOWCHART FOR THE FOLLOWING QUESTIONS.

1. A class contains 30 students. Input student mark. If mark is greater than or equal to 90 then display grade as "A", If mark is greater than or equal to 80, display grade "B", If mark is greater than or equal to 70, display grade "C", If mark is greater than or equal to 60, display grade "D", otherwise "Fail". Print Grade and class average.

SOLUTION

Start

Input student mark

If (mark \geq 90) then
Display "A"

If (mark \geq 80) then
Display "B"

If (mark \geq 70) then
Display "C"

If (mark \geq 60) then
Display "D"

else
Display "Fail"

Print Grade

Print = sum/average

Print class average

ENDIF

2. Input 3 numbers and arrange them in ascending order.

SOLUTION

Start

Input three numbers

Read num1, num2, num3

If (num1 < num2 < num3) then
Display num1, num2, num3

else

If (num1 < num3 < num2) then

Display num1, num3, num2

else

If (num2 < num1 < num3) then
 Display num2, num1, num3

else

If (num3 < num2 < num3) then
 Display num3, num2, num1

else

then

If (num3 < num1 < num2)
 Display num3, num1, num2

Else

If (num3 < num2 < num1) then
 Display num3, num1, num2

EndIf