Bisection Method

Algorithms

Start

Step 1-> In function double solution(double x)

Return x\*x\*x - x\*x + 2

Step 2-> In function bisection(double a, double b)

If solution(a) \* solution(b) >= 0 then,

Print "You have not assumed right a and b "

Return

End If

Set c = a

Loop While (b-a) >= EP

Set c = (a+b)/2

If solution(c) == 0.0

Break

End If

Else if solution(c)\*solution(a) < 0

Set b = c

End Else If

Else

Set a = c

End Else

End

Print "The value of root”

Step 3-> In function int main()

Declare and Initialize inputs a =-500, b = 100

Call function bisection(a, b)

Stop