```
#include <iostream>
using namespace std;
float myFunc(float x)
    return (x * x * x) + (2 * x * x) - (5 * x) - 6;
// margen de error
float error(float a, float b)
    return abs((a - b) / a);
// raiz en un intervalo (a,b)
void raiz(float a, float b)
    float er;
    int i = 100;
    while (i--)
        p = (a + b) / 2;
        float fp = myFunc(p);
        float fa = myFunc(a);
        float fb = myFunc(b);
        if (fa * fp > 0)
            er = error(a, p);
            a = p;
            er = error(b, p);
            b = p;
        if (er == 0 || fp == 0)
            break;
    if (myFunc(p) == 0)
        cout << "RAIZ DE f: "<< p << endl;</pre>
        cout << "ERROR: "<<er<<endl;</pre>
    }
        cout << "NO EXISTE SOLUCIÓN EN EL INTERVALO (" << a << "," << b << ")" << endl;</pre>
int main()
    int a = -4.25;
    int b = 345;
    raiz(a, b);
```

```
ents\UP\CUARTO SEMESTRE\CÁLCULO NUMÉRICO> cd
 "c:\Users\luisa\OneDrive - up.edu.mx\Docume
nts\UP\CUARTO SEMESTRE\CÁLCULO NUMÉRICO\" :
if ($?) { g++ bisection.cpp -0 bisection } ;
 if ($?) { .\bisection }
```

PS C:\Users\luisa\OneDrive - up.edu.mx\Docum

O RAIZ DE f: -3
ERROR: 1.58946e-007
PS C:\Users\luisa\OneDrive - up.edu.mx\Docum
ents\UP\CUARTO SEMESTRE\CÁLCULO NUMÉRICO>