Input:

F(x): $x^3 - 2*\sin(x)$

a = 0.5

b = 2

EPS = 0.00001

Output:

```
Enter two valid initial points a and b:
0.5
2

The approximation root of given function is 1.23619
With number of iteration: 17
c:\Users\Dell\Desktop\Roshan saud>
```

Input:

F(x): $x*e^x - 1$

a = 0

b = 1

EPS: 0.000001

Output:

```
Enter two valid initial points a and b:
0
1

The approximation root of given function is 0.567143
With number of iteration: 21
c:\Users\Dell\Desktop\Roshan saud>
```