

Input:

$$F(x): x^3 - 3x + 1$$

$$X_0 = 0$$

$$X_1 = 1$$

$$EPS = 0.0001$$

Output:

```
Enter two valid initial points x0 and x1:
0
1

The approximation root of given function is 0.347296
With number of iteration: 6
c:\Users\Dell\Desktop\Roshan saud>
```

Input:

$$F(x): 3x + \sin(x) - e^x$$

$$X_0 = 0$$

$$X_1 = 1$$

$$EPS = 0.00001$$

Output:

```
Enter two valid initial points x0 and x1:
0
1

The approximation root of given function is 0.360422
With number of iteration: 5
c:\Users\Dell\Desktop\Roshan saud>
```