Input:

F(x): $x^2 - 3$

F`(x): 2x

$X_0 = 1.5$

EPS = 0.00001

Output:

```
Enter the initial value: 1.5

The approximation root of given function is 1.73205
With number of iteration: 3
c:\Users\Dell\Desktop\Roshan saud>
```

Input:

F(x): x*sin(x) + cos(x)

F`(x): x*cos(x)

$X_0 = 3.14$

EPS = 0.00001

Output:

```
Enter the initial value: 3.14

The approximation root of given function is 2.79839
With number of iteration: 3
c:\Users\Dell\Desktop\Roshan saud>
```