

Input:

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

$$x = \sqrt{2x + 3}$$

$$x_0 = 4$$

$$\text{EPS} = 0.00001$$

Output:

```
The approximation root of given function is 3  
With number of iteration: 12  
c:\Users\Dell\Desktop\Roshan saud>
```

Input:

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

$$x = 1/e^x$$

$$x_0 = 1$$

$$\text{EPS} = 0.00001$$

Output:

```
The approximation root of given function is 0.567141  
With number of iteration: 21  
c:\Users\Dell\Desktop\Roshan saud>
```