

Input:

$F(x): 2x^4 - 3x^2 + 3x - 4$

$x_0 = -2$

EPS= 0.00001

Output:

```
Enter degree of the polynomial: 4
Enter the coffecients of the polynomail starting from the higher degree:
2
0
-3
3
-4
Enter valid initil point x0: -2
The approximation root of given function is -1.73896 with 4 number of iteration
c:\Users\Dell\Desktop\Roshan saud>
```

Input:

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

$x_0 = 1.5$

EPS= 0.00001

Output:

```
Enter degree of the polynomial: 2
Enter the coffecients of the polynomail starting from the higher degree:
1
0
-3
Enter valid initil point x0: 1.5
The approximation root of given function is 1.73205 with 4 number of iteration
c:\Users\Dell\Desktop\Roshan saud>
```