```
Enter non-linear equation (in terms of x):  x^3-4*x-9
Enter start of interval a:  2
Enter end of interval b:  3
Tolerable error (default is 0.00001):  0.0001


Iteration        a                b                c                f(c)
1                2.000000         3.000000         2.500000         -3.375000
2                2.500000         3.000000         2.750000         0.796875
3                2.500000         2.750000         2.625000         -1.412109
4                2.625000         2.750000         2.687500         -0.339111
5                2.687500         2.750000         2.718750         0.220917
6                2.687500         2.718750         2.703125         -0.061077
7                2.703125         2.718750         2.710938         0.079423
8                2.703125         2.710938         2.707031         0.009049
9                2.703125         2.707031         2.705078         -0.026045
10               2.705078         2.707031         2.706055         -0.008506
11               2.706055         2.707031         2.706543         0.000270
12               2.706055         2.706543         2.706299         -0.004118
13               2.706299         2.706543         2.706421         -0.001924
14               2.706421         2.706543         2.706482         -0.000827

Root found: 2.706482 (in 15 iterations)
```

Plot of the Equation x^3-4*x-9

Legend: f(x) = x^3-4*x-9; Root x = 2.706482