The given equation is: x - cos(x)=0.

Enter the first initial approximation: 0.5

Enter the maximum number of iterations: 10

Enter the measure of accuracy: 10^(-5)

The Newton-Raphson iterations are given as:

```
      k            x_k          f(x_k)
 1.0000000000  0.5000000000 -0.3775825619
 1.0000000000  0.7552224171  0.0271033119
 2.0000000000  0.7391416661  0.0000946154
 3.0000000000  0.7390851339  0.0000000012
 4.0000000000  0.7390851332  0.0000000000
```

A root of the given equation is   0.7390851332 .

An approximate root (with tolerance 0.000010) of the given equation is   0.7390851332↙
.
>>