

### Example 1

$$f(x)=x - \cos(x)$$

Method 1 - bisection

root=0.7391

Function terminated due to flag 1:

0.0083

Method 2 - False position

root=0.7391

Function terminated due to flag 1:

8.9998e-04

Method 3 - Fixed Point

root=0.7391

Function terminated due to flag 1:

0.0069

Method 4- Newton Raphson

root=0.7391

Function terminated due to flag 1:

0.0038

Method 3 - Secant

root=0.7391

Function terminated due to flag 1:

0.0069