## ***Bisection Method***

1. Find a real root of the equation $\boldsymbol{x^3 - 2x^2 - 4 = 0}$ by using Bisection Method, Correct up to three decimal places.

2. Find a real root of the equation $\boldsymbol{Sinx = 10\,(x - 1)}$ by using Bisection Method, Correct up to six decimal places.

## ***False Position Method***

1. Find a real root of the equation, $\boldsymbol{x^2 + lnx - 2 = 0}$ by using False position method, correct up to three decimal places.

2. Find a real root of the equation, $\boldsymbol{e^{-x} = 10x;}$ by using False position method, correct up to four decimal places.

## ***Newton Raphson Method***

1. Find a real root of the equation, $\boldsymbol{x^4 + x^2 - 80 = 0;}$ by using Newton Raphson method, correct up to four decimal places.

2. Find a real root of the equation, $\boldsymbol{e^x - 3x = 0;}$ between [1, 2] by using Newton Raphson method, correct up to eight decimal places.

3. Find a real root of the equation, $\boldsymbol{cosx - xe^x = 0}$; by using Newton Raphson method, correct up to five decimal places.