

# Advance Numerical Technique Laboratory

## Lab 2

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**Q.1** Solve this boundary value problem using shooting method and classical runge kutta method.

$$y'' - 2xy' - 2 = -4x$$

$$y(0) - y'(0) = 0$$

$$2y(1) - y'(1) = 1$$

$$h = 0.1$$

**Solution :-**

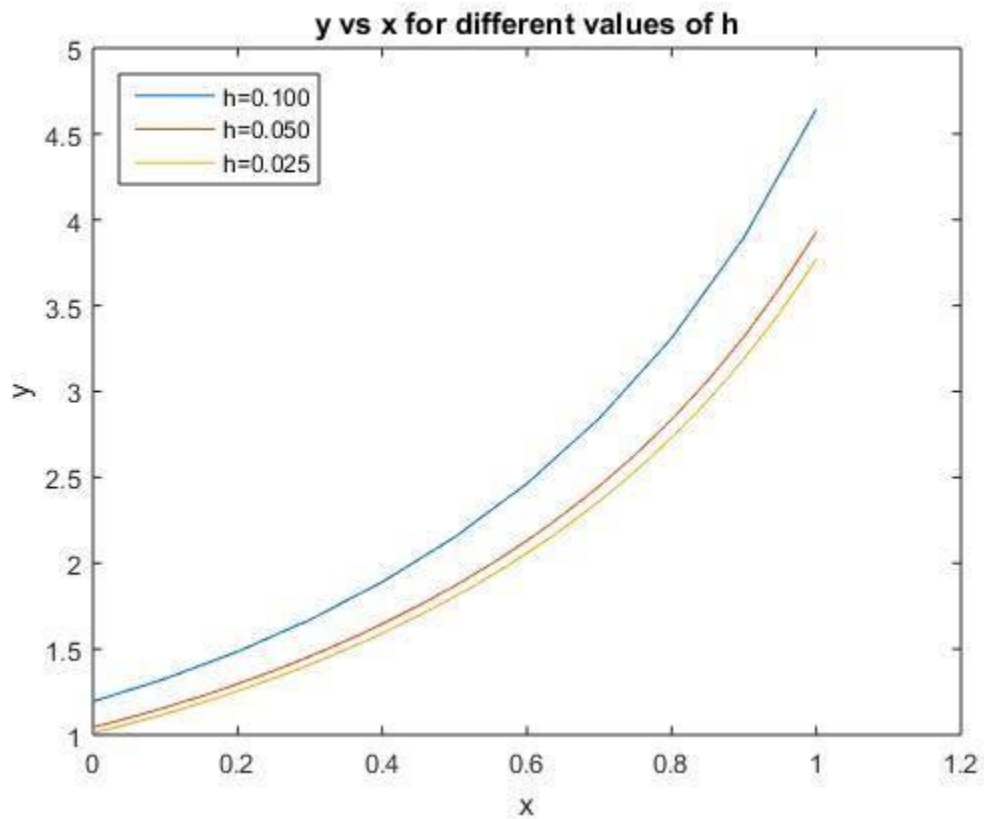


Fig. 1 Graph of the y values calculated