LAB-8: Solution of ODE of first order and first degree by Runge Kutta fourth order

- Write a python program to apply the Runge Kutta method to find the solution of $\frac{dy}{dz} = 1 + \left(\frac{y}{z}\right)$

2. Write a python program to apply Milne's predictor and corrector method to solve

 $\frac{dy}{dx} = x^2 + \left(\frac{y}{2}\right)$ at y(1.4). Given that y(1) = 2, y(1.1) = 2.2156, y(1.2) = 2.4649, y(1.3) = 2.7514.

- method and Milne's predictor and corrector method.

at y(2) taking h = 0.2. Given that y(1) = 2.

Use corrector formula thrice.