-Assignment-3

Steakon-1

$$\frac{\partial f}{\partial y}|_{y=3} = -5 \times e^{-3} = -0.24$$

$$\Delta x = -\frac{\pi}{2\pi} \Big|_{x=2} = -(0.01)(12) = -0.12$$

$$\Delta y = -N \frac{\partial f}{\partial a} |y=z=-(0.01)(-0.24)=0.0024$$

ita=itex+1 = 27 epoch

Theration-2

$$\frac{3F}{3y} \left[y = 3.002 = -5 \times e^{-3.002} = -0.24 \right]$$

$$\Delta y = -n \frac{\partial f}{\partial y} | y = 3.002 = -(0.01) (0.24) = 0.0024$$

$$y = y + \Delta y = 3.002 + 0.0024 = 3.0044$$