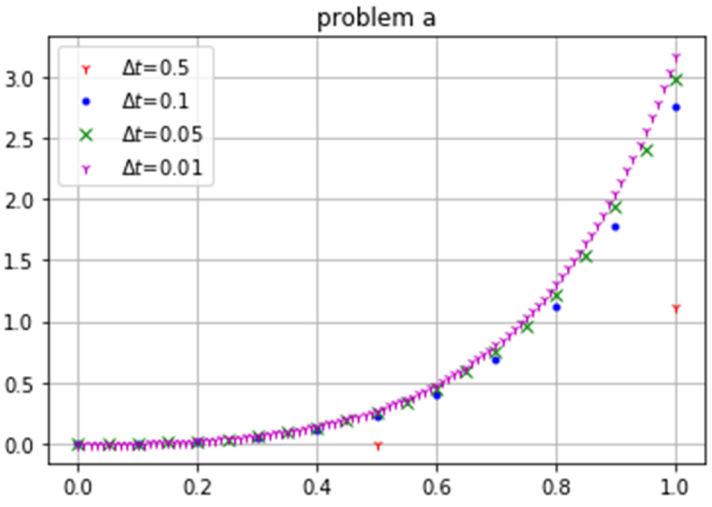
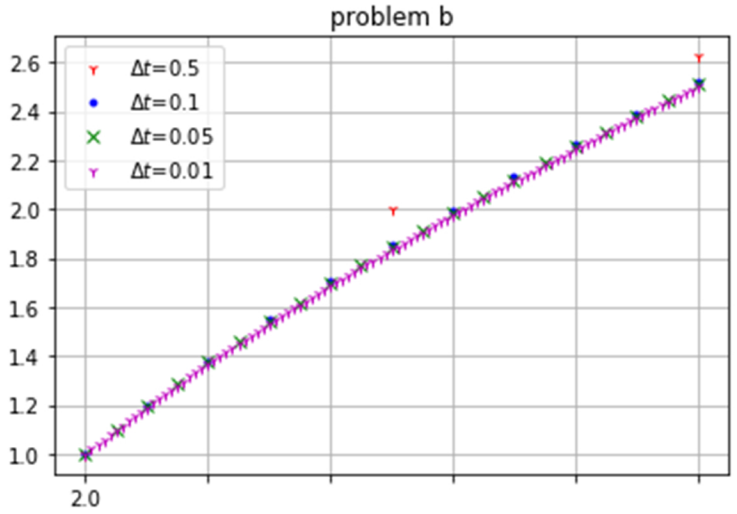


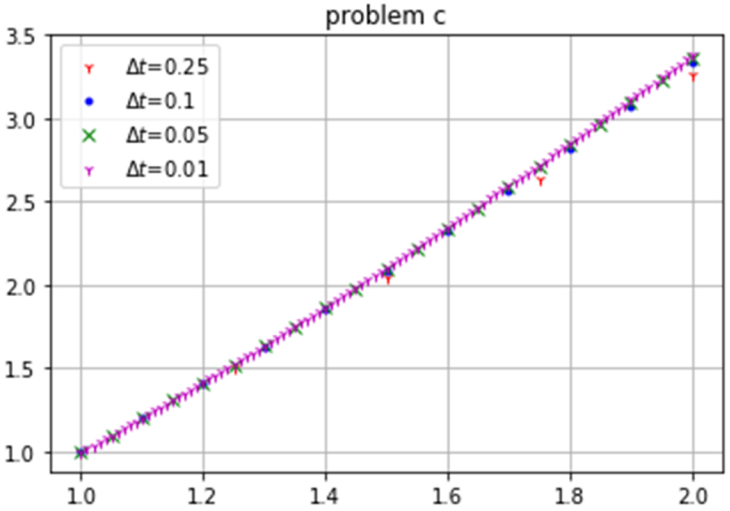
$$y' = t\,e^{3t} - 2y$$
$$0 \le t \le 1$$
$$y(t=0) = 0$$

(1)



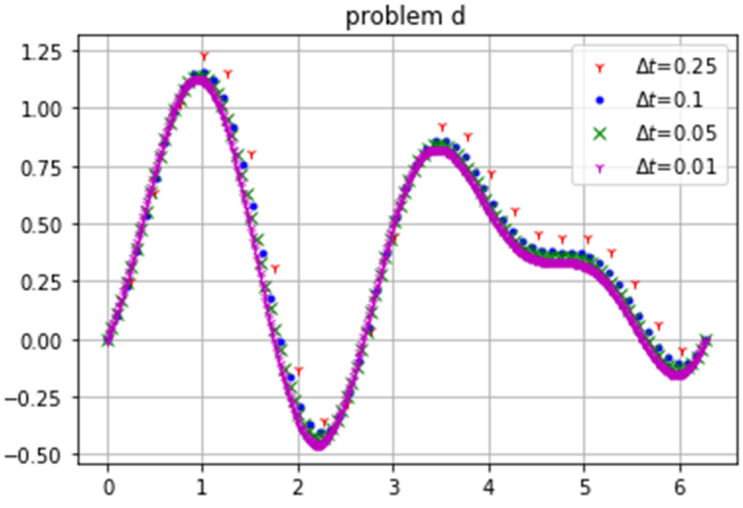
$$y' = 1 + (t-y)^2$$
$$2 \le t \le 3$$
$$y(t=2) = 1$$

(2)



$$y' = 1 + \frac{y}{t}$$
$$1 \le t \le 2$$
$$y(t=1) = 1$$

(3)



$$y' = \cos(2t) + \sin(3t)$$
$$0 \le t \le 2\pi$$
$$y(t=0) = 0$$

(4)