trajectory given: initial velocity=30[m/s],  $\Theta$  = 45 °,  $x_0$ =0[m],  $y_0$ =0[m],  $a_g$ =9.81[ $m*s^-$ 2], mass=2[kg],  $\Delta t$  = 0.002[s],  $C_d$ =0.02

