Numerical ODE HW 2

1. Implement the Bogaki-Shampine scheme(s) described in wikipedia "Google Bogacki–Shampine method". This is ode23 and consists of two schemes (one of order 2 and the other of order 3) that share the same function evaluations. The stepper should take in y_n and h_n and output the order 3 estimate and an estimate for the error.

2. Test you code on the orbit problem from HW1 with a fixed step size. Plot your solution and an accurate one together.