Worksheet 9

no Write a MATLAB function/script that performs the following tasks:

(a) Uses the Adams-Bashforth Fourth Step Explicit Method to approximate the solution of the following initial value problem:

$$y^{'} = 1 + (t - y)^2, \quad 2 \leq t \leq 3, \quad y(2) = 1, \quad h = 0.2$$

(b) Find the absolute error (you have the exact solution from the quiz).

(c) Display the data in the following form:

$$t_i \qquad\qquad Adams - Bashforth \qquad\qquad Error$$

Name your file: WS9_LastName_FirstInital()

Submit your MATLAB code file to Dropbox no later than Sunday (11:59pm), 11/14/20.