**NAME: AGWANIRU ROSEMARY ONYINYECHI**

**MATRIC NO:17/ENG01/003**

**DEPARTMENT: CHEMICAL ENGINEERING**

1a. commandwindow

clearvars

clc

format short g

syms t kp td tp

v = kp\*(1-exp(-((t-td)/tp)))

peace = xlsread('assign5', 'data1');

t1 = peace(:,1);

v = peace(:,2);

V1 = round(peace(900,2),1)

t0 = ones(length(v),1)

t = [t0 t1]

[mcoeff, mcoeffint, mresid, mresidint, manova] = regress (v,t);

%mcoeff

%rsquaredvalue = mcoeff(1)

mcoeff

manova

kp = V1

td = -mcoeff(1)

tp = mcoeff(2)

plot(t,v(:,1));

grid on

grid minor