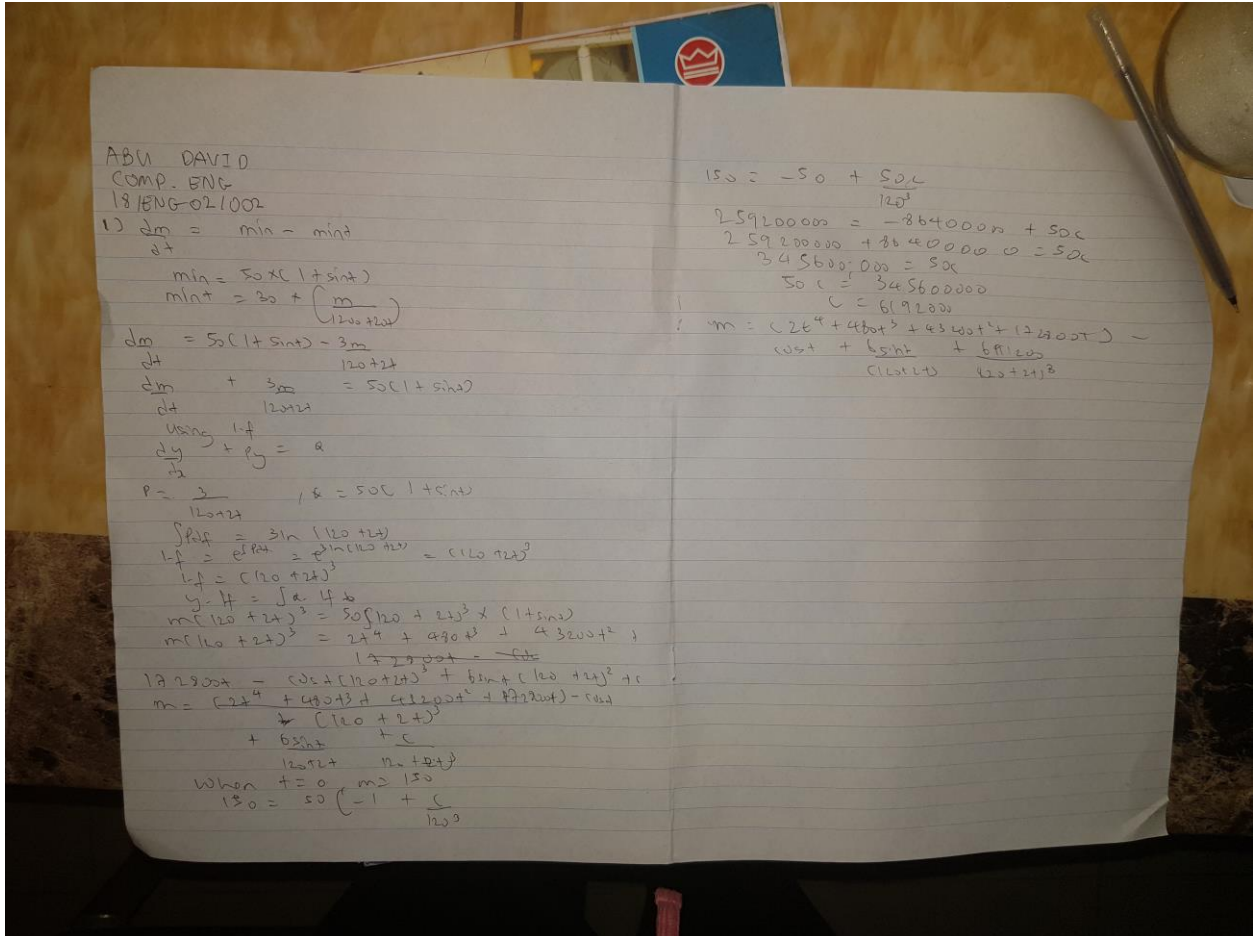


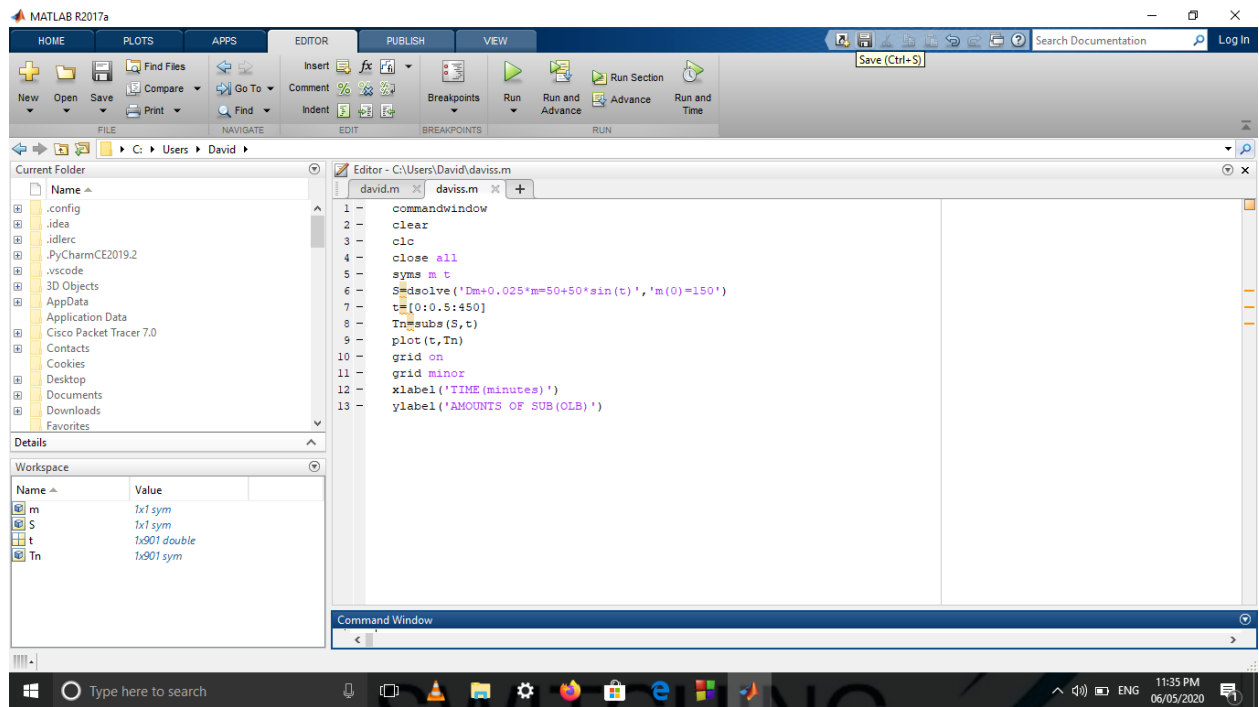
NAME: ABU DAVID

DEPT: COMPUTER ENGINEERING

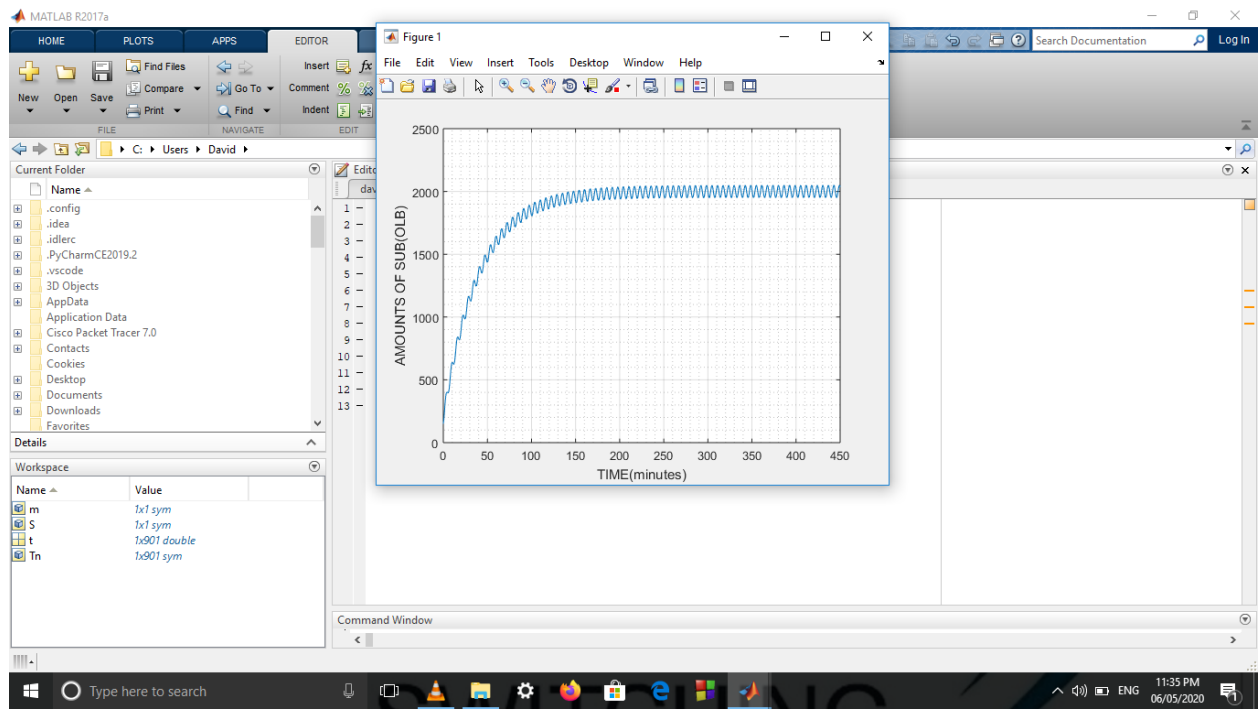
MARTIC NO: 18/ENG02/002

MATHS ASSIGNMENT





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FILE NAVIGATE EDIT BREAKPOINTS RUN

Current Folder: C:\Users\David

Editor - C:\Users\David\daviss.m

```

1  commandwindow
2  clear
3  clc
4  close all
5  format short g
6  syms t
7  y=(50/0.05)+((50/1.0025)*sin(t))+((50*0.05/1.0025)*cos(t))-(802.49*exp(-0.05*t))
8  ym=1000-(800*exp(-0.05*t))
9  T=0:1:500
10 T1=T(2:2:500)
11 T2=T(1:2:500)
12 Y=subs(y,T1)
13 Ym=subs(ym,T2)
14 mdata=['t(minutes)', 'V(litres)'; Y, Ym]
15 plot(T1,Y,T2,Ym)
16 grid on
17 grid minor

```

Workspace

| Name | Value |
|-------|--------------|
| mdata | 2x2 cell |
| t | 1x1 sym |
| T | 1x501 double |
| T1 | 1x250 double |
| T2 | 1x250 double |
| y | 1x1 sym |
| Y | 1x250 sym |
| ym | 1x1 sym |
| Ym | 1x250 sym |

Command Window

script Ln 11 Col 5

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Figure 1

Command Window

script Ln 11 Col 5

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