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Matric-No: 18/ENG04/076
Dept: Elect/Elect
Initial temp (IT) = 10°C
Second temp (ST) = 20°C Time from IT to ST = 5mins = 300 secs
Actual temp (AT) = 25°C
Sons Temp (CT) = 24.9°C 2 Time (2T) = ??

If from IT to ST = 20°C − 10°C = 10°C
and it takes 5mins to cover 10°C
5°C = ½ of 5mins
= 5°C = 2.5mins (to move from 20°C to 25°C)
25°C = 2.5m
∴ 24.9°C = ?

$$= \frac{2.5 \times 24.9}{2.5} \quad \{2.5\text{mins} = 150\text{secs}\}$$

$$= \frac{150 \times 24.9}{25} \qquad = 6 \times 24.9 = 149.4$$

∴ 149.4 ÷ 60
= 2.49 = 2mins 49sec

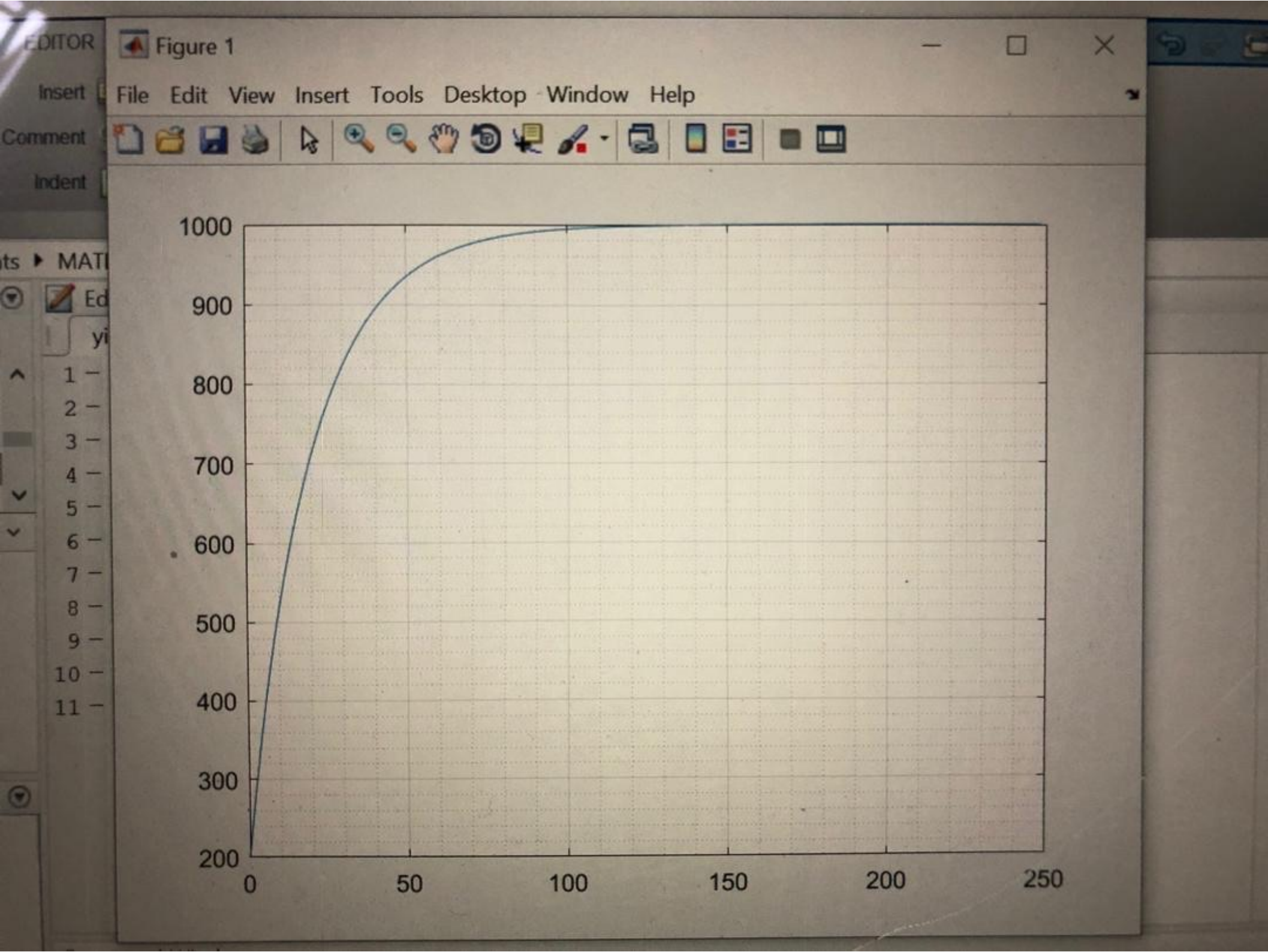
Figure 1
File Edit View Insert Tools Desktop Window Help
1000
900
800
700
600
500
400
300
200
0
50
100
150
200
250

Advance Time

EDIT BREAKPOINTS RUN

ATLAB

Editor - C:\Users\yimat\Documents\MATLAB\yimaquiz2.m

yimaquiz2.m

```
commandwindow
clear
clc
close all
format short g
mdata=xlsread('onlinequizdata','fluiddata')
x=mdata(1:2:250,1)
y=mdata(1:2:250,2)
plot(x,y)
grid on
grid minor
```

Command Window

```
    86
    88
    90
    92
    94
    96
    98
   100
   102
```

script Ln 11 Col 11