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18/ENG02/094
COMPUTER ENGINEERING
ENG 282

Question 1

T_1 of Thermometer = 16°C
T_2 of Thermometer = 20°C
Time taken = 8 mins = 800secs
$\Delta T = 20 - 10 = 10°C$
find $T = 24.9°C$ $\Delta T_e = 24.9 - 10 = 14.9°C$

10°C to 800secs
14.9°C to x

10x to 800 × 14.9
$10x = 4970$
$x = 447$
$x = 447s$

$\therefore x = 7 mins\ 27s$

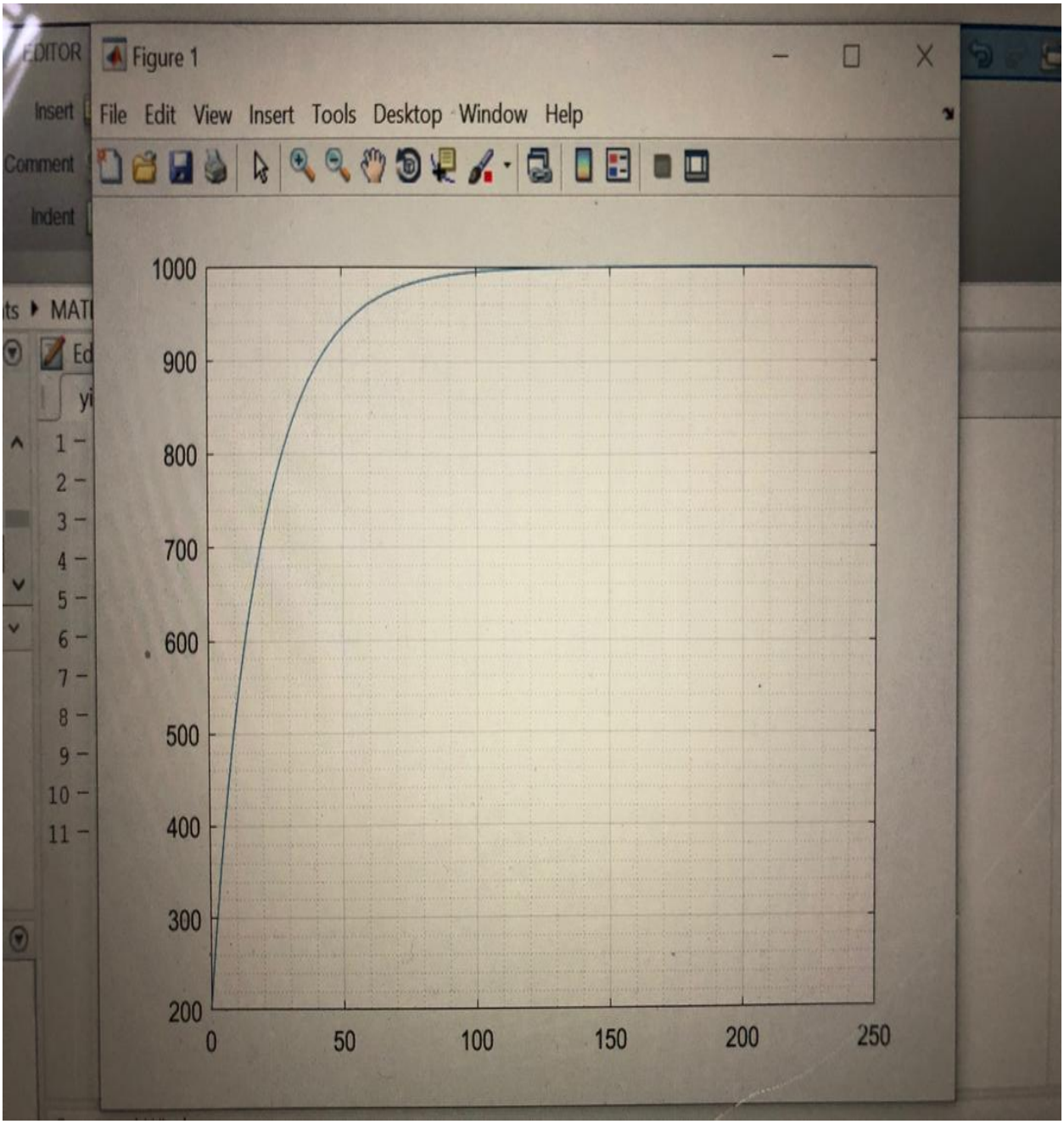
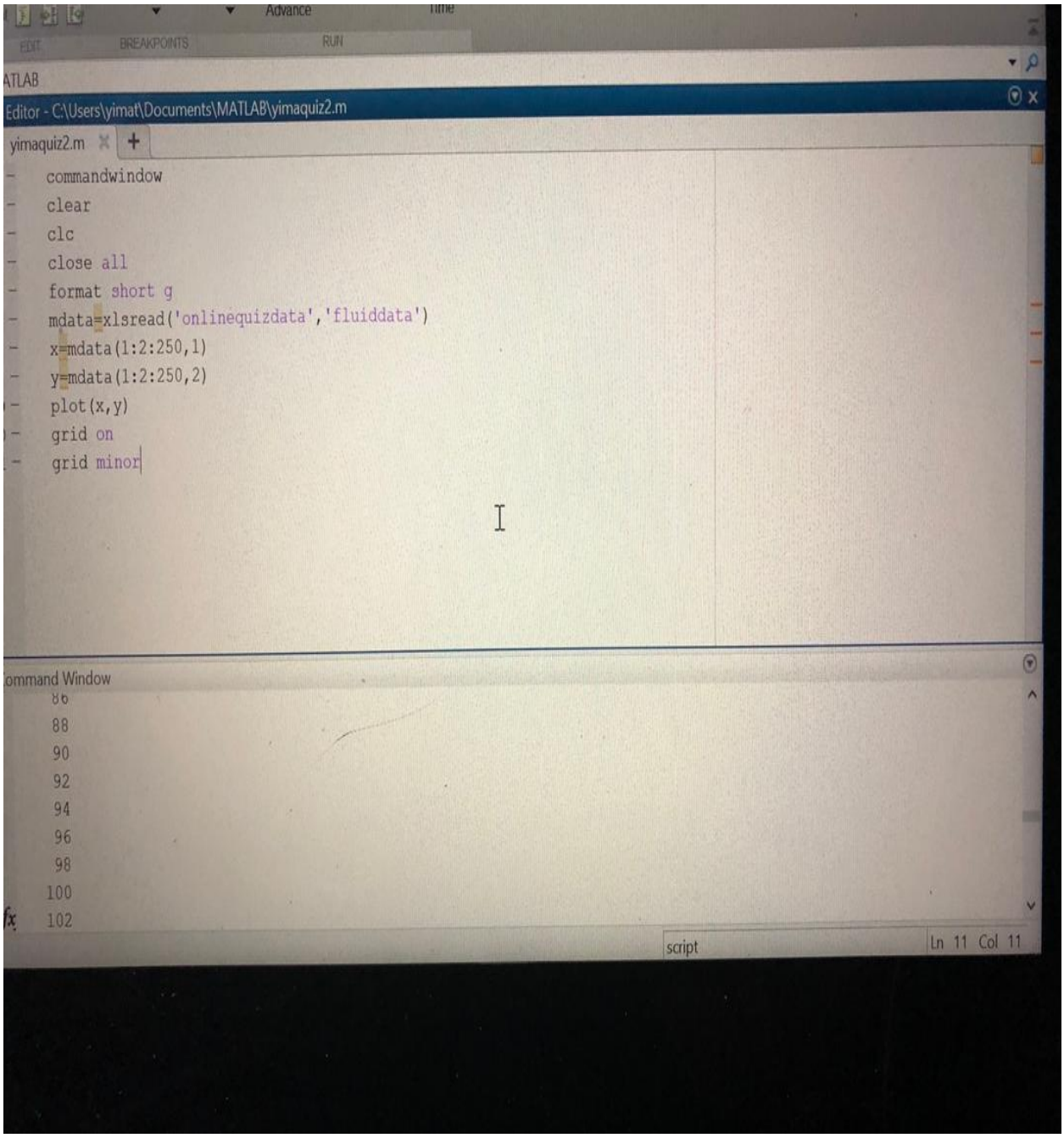


Figure 1
File Edit View Insert Tools Desktop Window Help
1000
900
800
700
600
500
400
300
200
0
50
100
150
200
250

H


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
ommand Window
86
88
90
92
94
96
98
100
102
script
Ln 11 Col 11