AWE FARUQ
19/ENG06/065
MECHANICAL

Initial temp, $T_1 = 10°C$
Temperature after 5mins $= 20°C$
final temp, $T_2 = 25°C$

Thus, it took 5mins for the temperature to rise by $(T_1 - T_0) = 20 - 10$
$= 10°C$

when at $35°C$, $\frac{T_2 - T_0}{T_1 - T_0} \times 5$

$= \frac{25 - 10}{20 - 10} \times 5$

$= \frac{15}{10} \times 5$

$= 7.5$ mins after the thermometer is inserted in the system

LAB

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

imaquiz2.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
```

mand Window

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

script Ln 11 Col 11

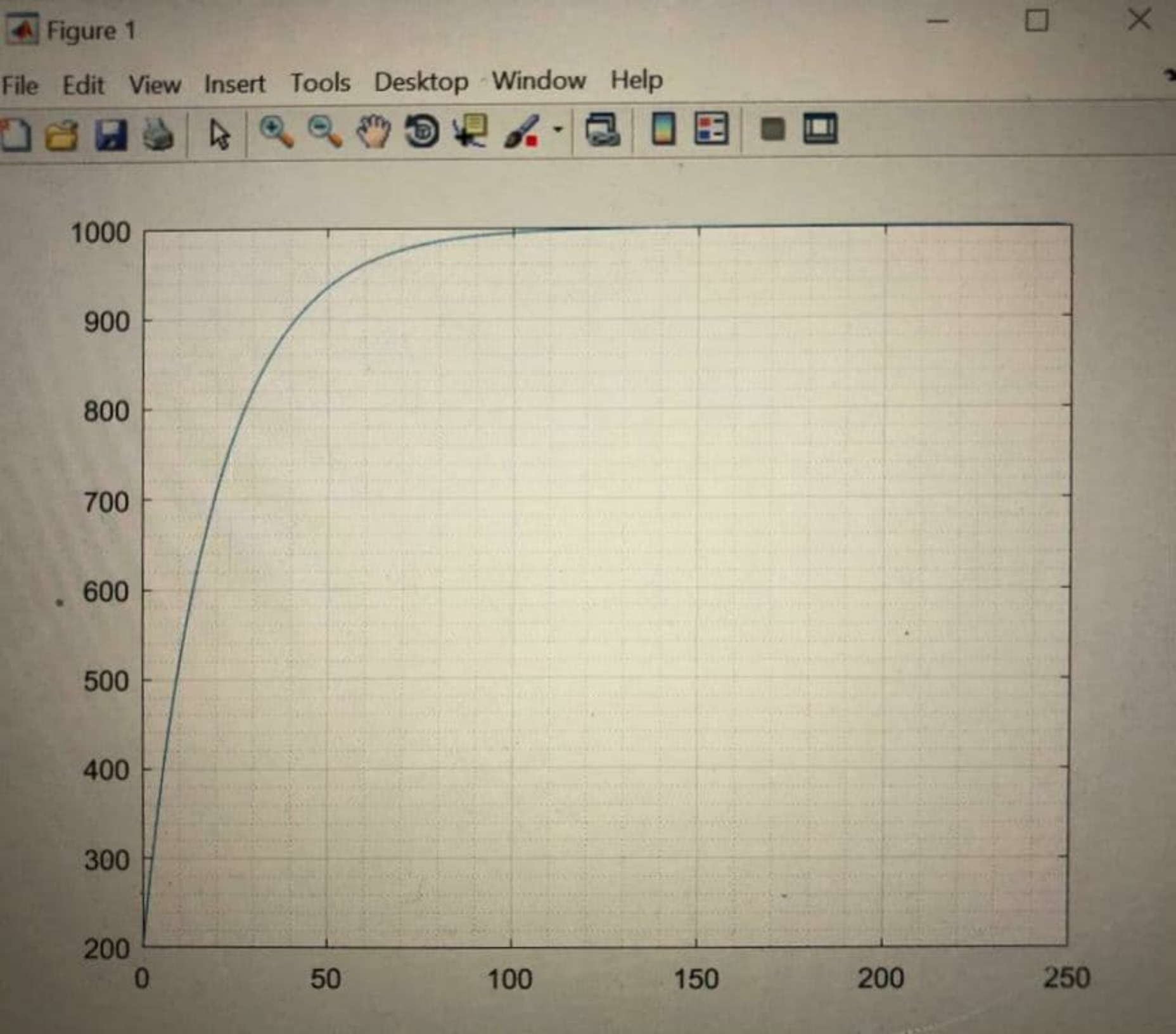
Figure 1
File Edit View Insert Tools Desktop Window Help
1000
900
800
700
600
500
400
300
200
0
50
100
150
200
250