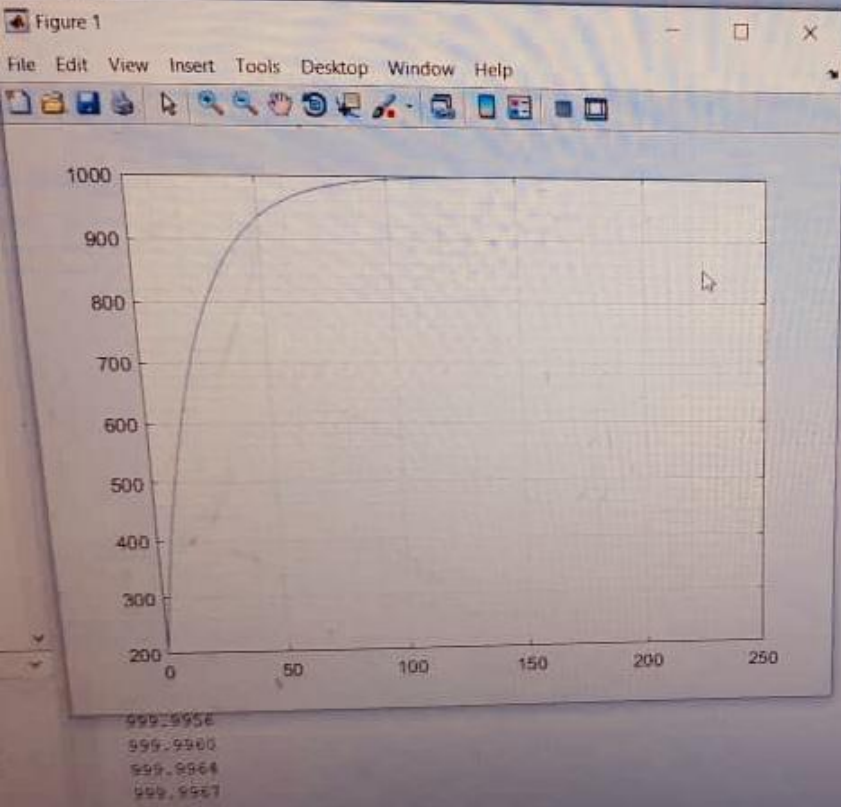


Command Window



```
Editor - C:\Users\Deell\Desktop\matlab and mathcad\assignment.m
assignment.m
1 - commandwindow
2 - clear
3 - tic
4 - close all
5 - data=xlsread('onlinequizdata.xlsx','fluiddata')
6 - x=data(1:2:250,1)
7 - y=data(1:2:250,2)
8 - plot(x,y)
9 - grid on
10 - grid minor
```

Workspace

Name	Value
data	251x2 double
x	125x1 double
y	125x1 double

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Biomedical Engineering

T_1 of thermometer = 10°C

T_2 of thermometer = 20°C

time taken = 5 minutes = 300 seconds.

$$\Delta T = 20 - 10 = 10^\circ\text{C}$$

$$T = 24.9^\circ\text{C} \quad \Delta T_2 = 24.9 - 10 = 14.9^\circ\text{C}$$

$$10^\circ\text{C} \text{ to } 300 \text{ sec}$$

$$14.9^\circ\text{C} \text{ to } x$$

$$10x = 300 \times 14.9$$

$$10x = 4470$$

$$10x = 4470$$

$$x = 447 \text{ seconds}$$

$$x = 7 \text{ minutes } 27 \text{ seconds}$$

(2)