MATLAB

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

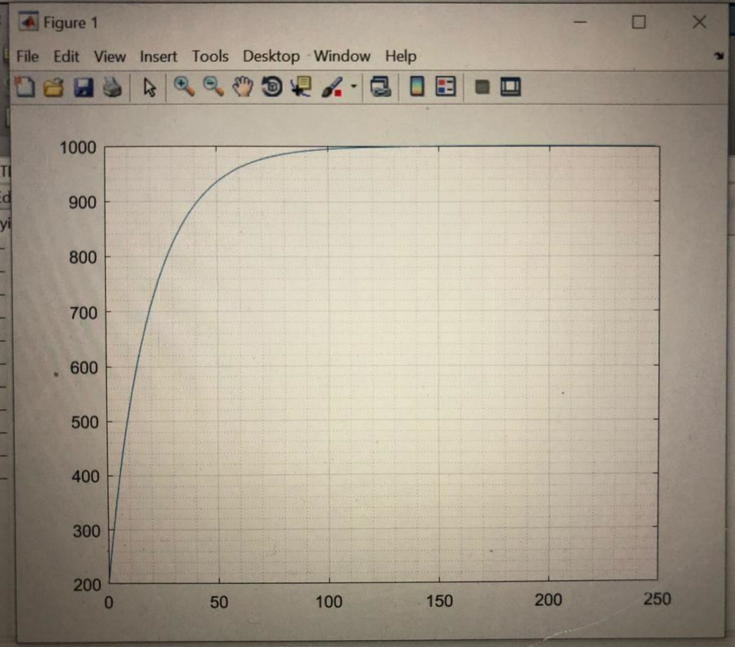
yimaquiz2.m

```
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



NDENSI VICTOR
PETROLEUM ENGINEERING
18/ENG07/014

1.) $T_1 = 10°C$ $T_2 = 20°C$

It takes 5min to get from T_1 to T_2

ie $T_2 - T_1 = 10°C$ at 5min

to go from 20°C to 24.9°C

time will be; 5mins = 10°C

x mins = 4.9°C

(because temperature increases from 20°C to 24.9°C ie by 4.9°C)

5 mins = 10°C

x mins = 4.9°C

$10x \text{ mins} = \frac{5 \times 4.9}{10}$

$= \frac{24.5}{10}$

$= 2.45°C$

Total time for temperature to go from 10°C to 24.9°C will be given as

5 + 2.45 = 7.45 mins.