Initial temp (IT) = 10°C

Second temp (ST) = 20°C Time from IT to ST = 5 mins = 300 secs

Actual Temp (AT) = 25°C

Sofs' Temp (CT) = 24.9°C 2 Time (2T) = ??

if from IT to ST = 20°C − 10°C = 10°C

and it take 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 = ?

$= \frac{2.5 \times 24.9}{25}$ {2.5 mins = 150 secs}

$= \frac{\cancel{150}^{1} \times 24.9}{\cancel{25}}$ = 6 × 24.9 = 149.4

∴ 149.4 ÷ 60

= 2.49 = 2mins 49 secs

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
```

Figure 1

File Edit View Insert Tools Desktop Window Help