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comp ENG
ISI EN02021085

Initial temp (IT) = 10°C

Second temp (ST) = 20°C

Time from IT to ST = 5 mins = 300 sec.

Actual temp (AT) = 25°C

Soj. Temp (CT) = 24.9°C 2 time (CT) = ?

IF From IT to ST = $20^{\circ}\text{C} - 10^{\circ}\text{C} = 10^{\circ}\text{C}$

and it takes 5 mins to cover 10°C

$5^{\circ}\text{C} = \frac{1}{2}$ of 5 mins

= 5C = 2.5 mins (to move from 20°C to 25°C)

$25^{\circ}\text{C} = 2.5\text{M}$

$24.9^{\circ}\text{C} = ?$

= $\frac{2.5 \times 24.9}{2.5}$ ($2.5 = 150 \text{ sec}$)

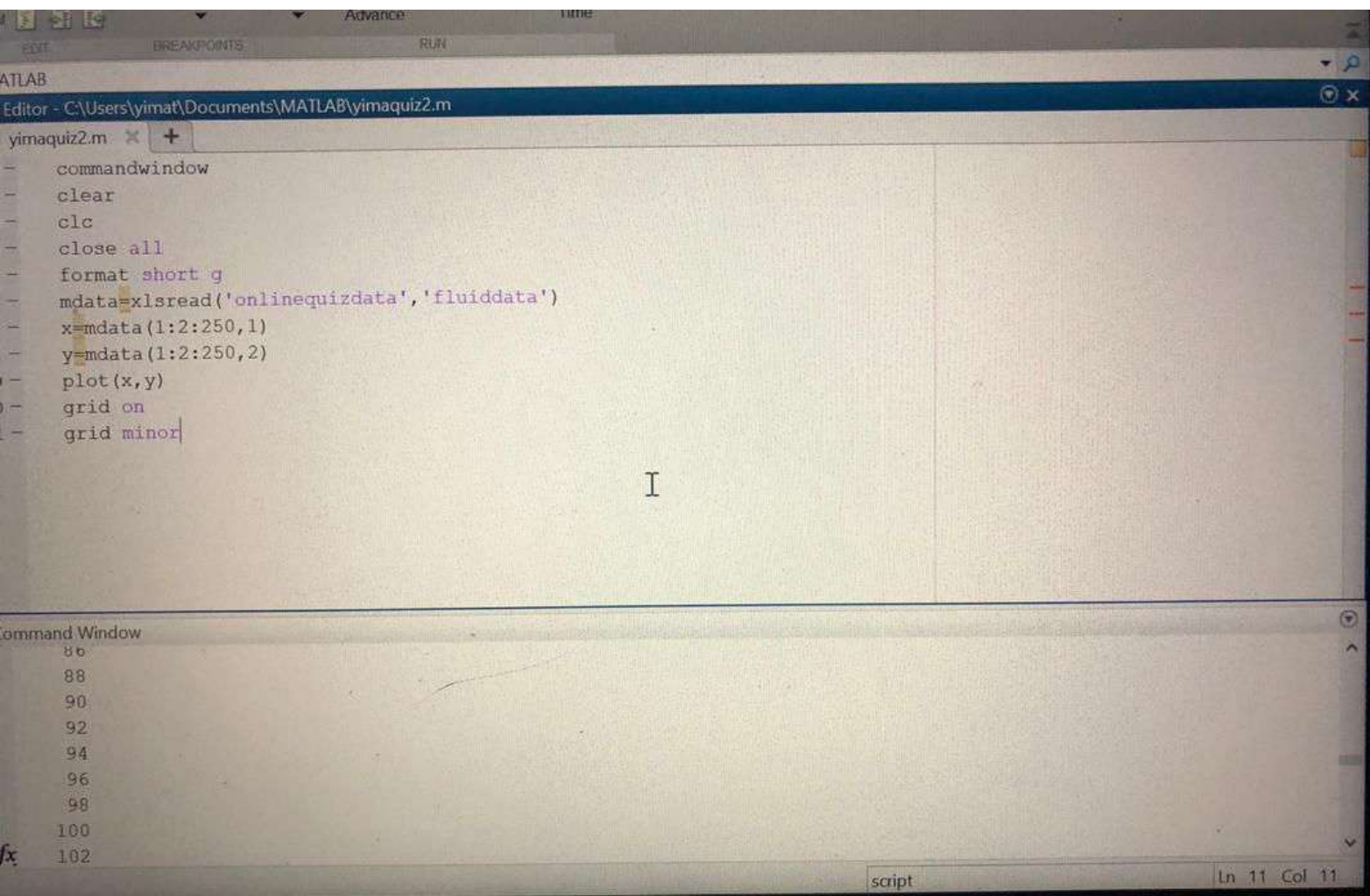
2.5

= $\frac{150 \times 24.9}{2.5} = 6 \times 24.9 = 149.4$

L. $149.4 \div 60$

= 2.49

= 2 mins 49 sec



MATLAB

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

yimaquiz2.m x +

```
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
```

I

Command Window

86
88
90
92
94
96
98
100
102

script

Ln 11 Col 11