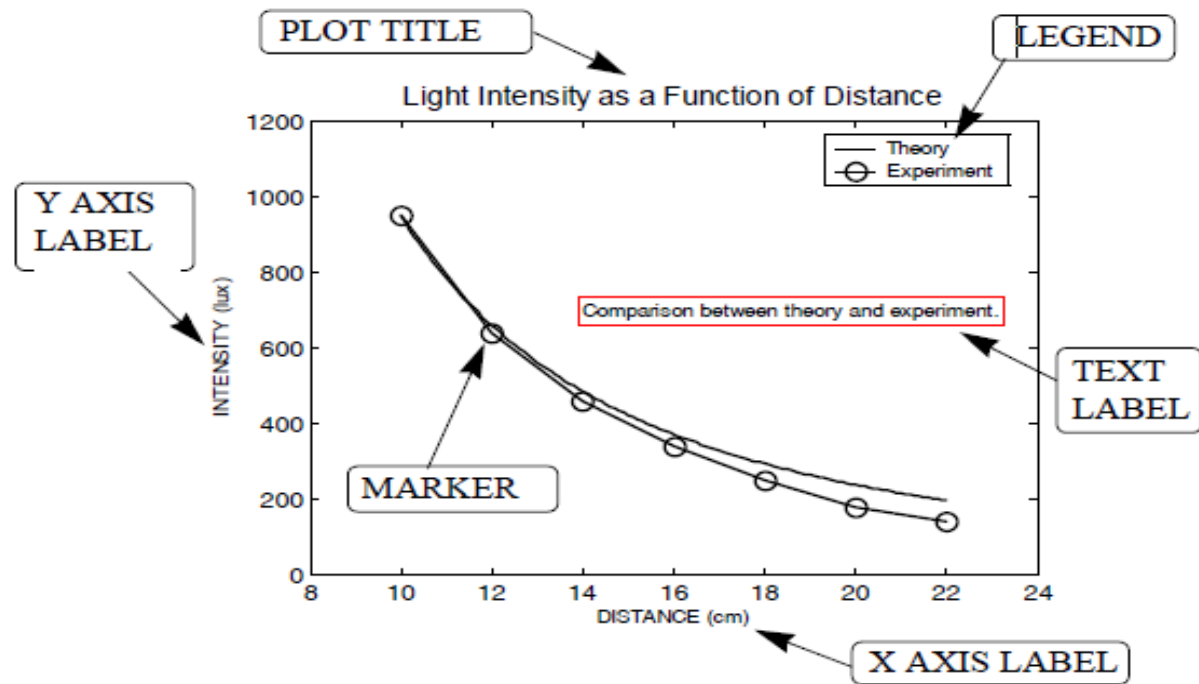


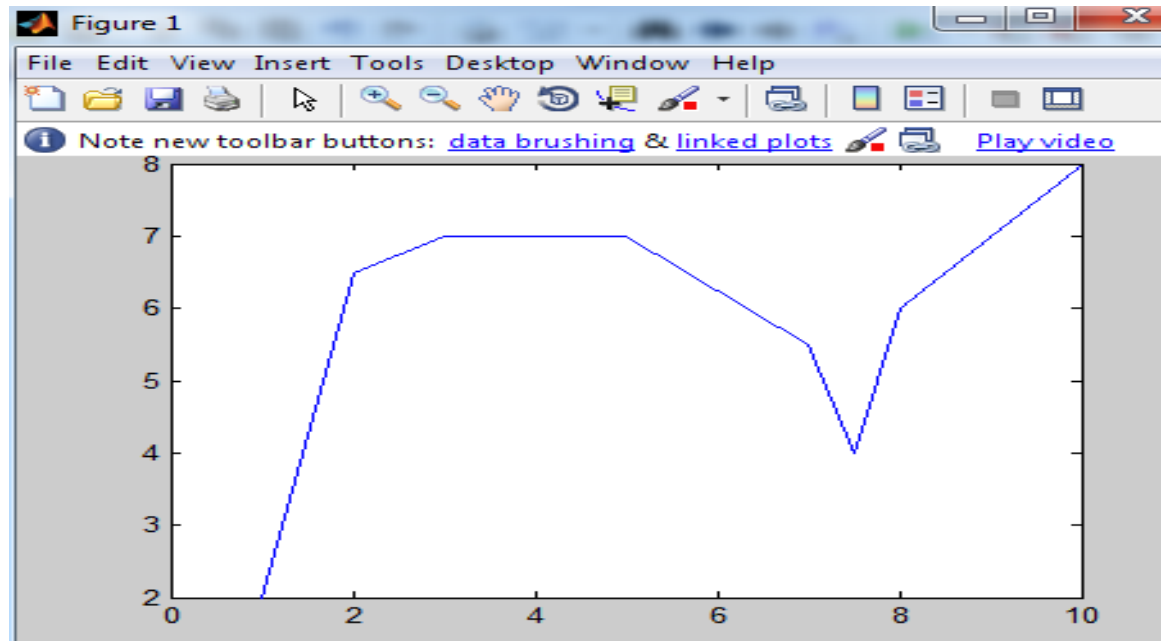
Graphics Window

- When the plot command is executed, a figure is created in the Figure Window. And Will open automatically when the command is executed



EX: To plot the 2D graph
clc

```
x=[1 2 3 5 7 7.5 8 10];  
y=[2 6.5 7 7 5.5 4 6 8];  
plot(x,y)
```

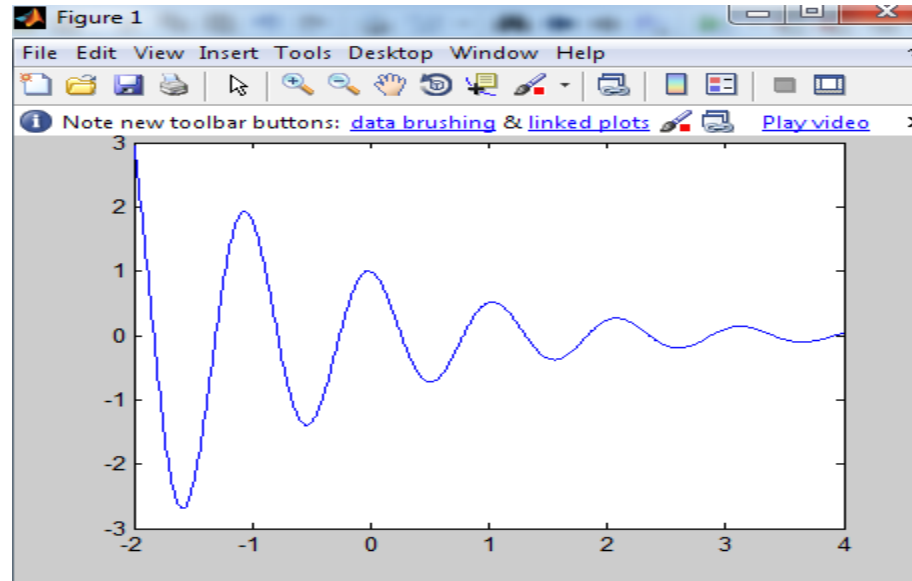


EX: Plot y as a function of x , the function = $3.5.^{-0.5*x}.*\cos(6x)$, $x=[-2:0.01:4]$

$x=[-2:0.01:4];$

$y=3.5.^{-0.5*x}.*\cos(6*x);$

$\text{plot}(x,y)$



EX: draw the graph of the sine function over the interval - 4 to 4

- $x = -4 : .01 : 4 ;$
- $y = \sin(x) ;$
- $\text{plot}(x, y)$

