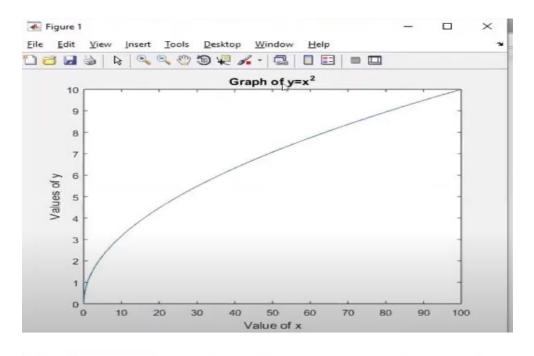


# Ministry of Higher Education and Scientific Research - Iraq AL-Mustaqbal University Department of Electrical Engineering techniques Application computer

Assist lect : Salwan Saud Lecture :seven

#### Draw in MATLAB 2D,3D



```
>> plot(y,x)
>> xlabel('Value of x')
>> ylabel('Values of y')
>> title('Graph of y=x^2')
>> title('Graph of $y=x^2$')
>> xlabel('Values of \alpha')
>> xlabel('Values of \beta')
>> grid on
I
```



# Ministry of Higher Education and Scientific Research - Iraq AL-Mustaqbal University Department of Electrical Engineering techniques Application computer

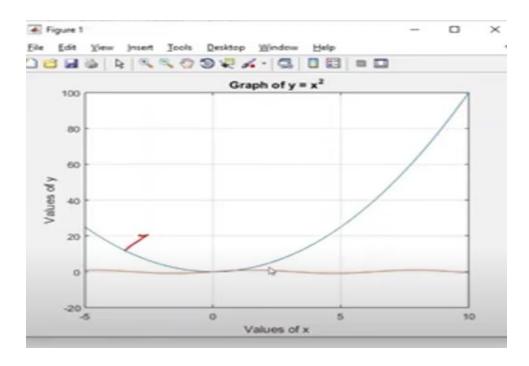
Assist lect : Salwan Saud Lecture :seven

```
format short
 clear all
 clc
 x = -5:0.1:10;
 y=x.^2;
 plot(x,y)
 xlabel ('Values of x')
 ylabel ('Values of y')
 title('Graph of y = x^2')
Figure 1
File Edit Yiew Insert Jools Desktop Window Help
       4 4 4 0 0 4 A - G 0 0 0 0
                 Graph of y = x^2
   90
   80
   70
   60
 Values of y
   50
   40
   30
   20
   10
                  Values of x
     = -5:0.1:10;
   y=x.^2;
   y1 = sin(x);
  y2 = \exp(x) + 3;
  plot(x,y, x,
   xlabel ('Values of x')
  ylabel ('Values of
   title ('Graph of y
  grid on
```



#### Ministry of Higher Education and Scientific Research - Iraq AL-Mustaqbal University Department of Electrical Engineering techniques Application computer

Assist lect : Salwan Saud Lecture :seven



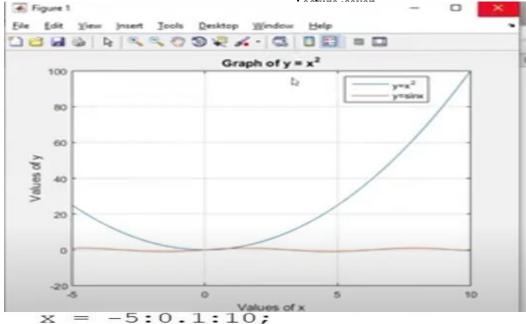
```
x = -5:0.1:10;
y=x.^2;
y1 = sin(x);
y2 = exp(x)+3;
plot(x,y, x, y1)

xlabel('Values of x')
ylabel('Values of y')
title('Graph of y = x^2')
legend('y=x^2', 'y=sinx')
```

### Audit

### Ministry of Higher Education and Scientific Research - Iraq AL-Mustaqbal University Department of Electrical Engineering techniques Application computer

Assist lect : Salwan Saud



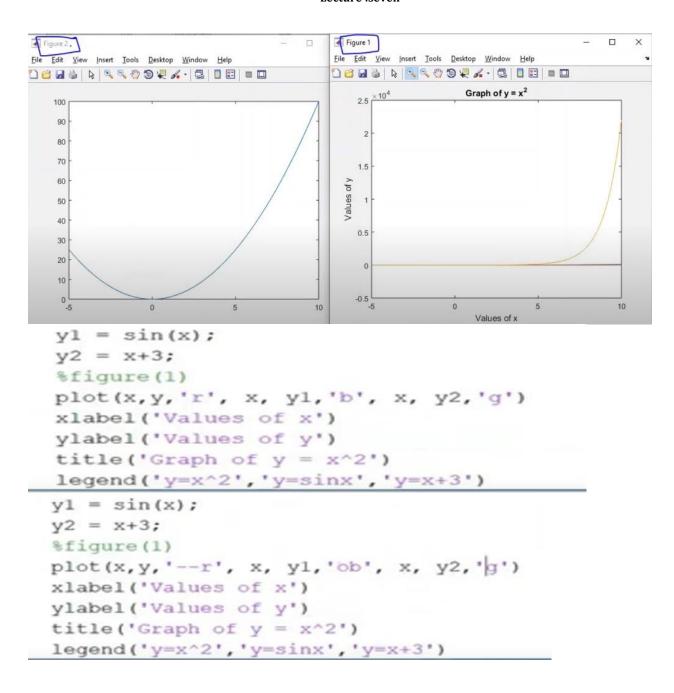
```
x = -5:0.1:10;
y=x.^2;
y1 = sin(x);
y2 = exp(x)+3;
figure(1)
plot(x,y, x, y1, x, y2)
xlabel('Values of x')
ylabel('Values of y')
title('Graph of y = x^2')
%legend('y=x^2', 'y=sinx')
figure(2)
plot(x,y)
hold on
```



#### Ministry of Higher Education and Scientific Research - Iraq

### AL-Mustaqbal University Department of Electrical Engineering techniques

Application computer Assist lect : Salwan Saud Lecture :seven





#### Ministry of Higher Education and Scientific Research - Iraq AL-Mustaqbal University Department of Electrical Engineering techniques

Application computer Assist lect : Salwan Saud Lecture :seven

