Ministry of Higher Education and Scientific Research

University of Anbar

College of Computer Science and Information Technology

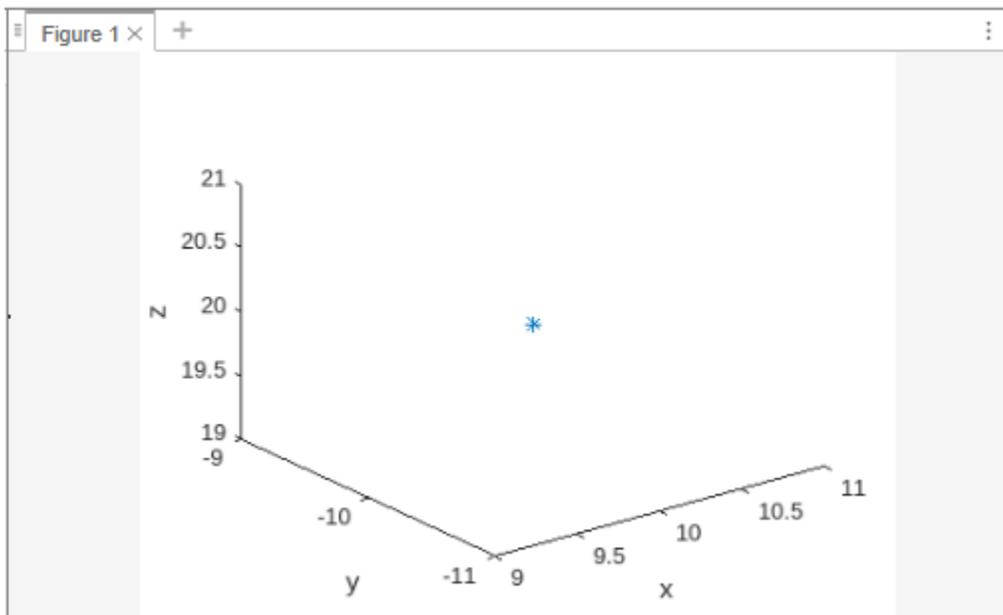**Computer Science Department**

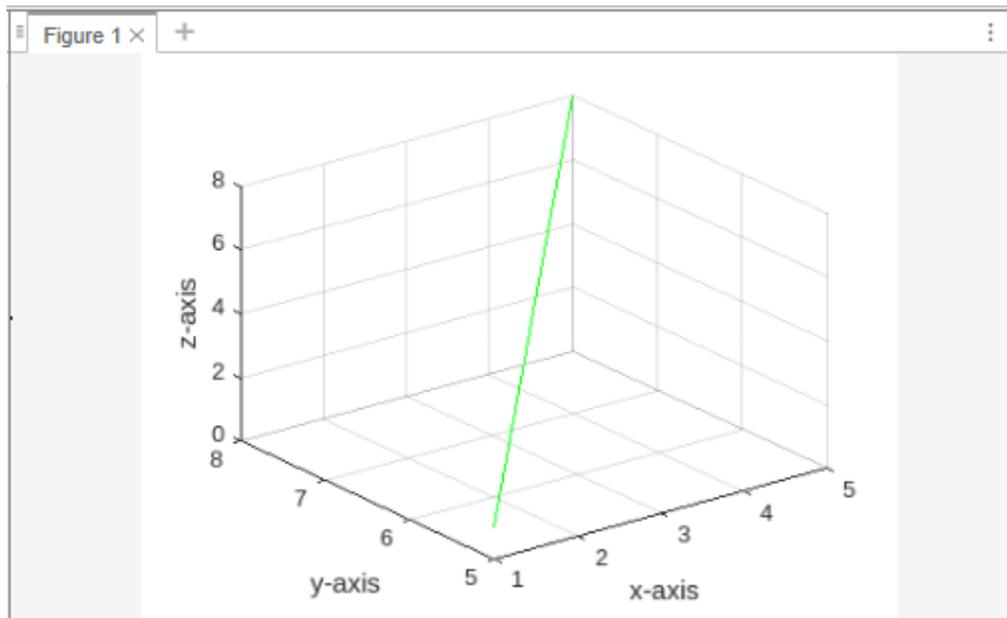# Computer Graphics 3D

6th Lab

By:

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Three-Dimension Point Plot:

```
clc;
x=  10;
y= -10;
z=  20;
figure,
plot3(x,y,z, '*')
xlabel('x')
ylabel('y')
zlabel('z')
```

Three-Dimension Line Plot:

```
clear
clc
x=[1 5];
y=[5 8];
z=[1 8];
figure
plot3(x,y,z,'g')
grid on
xlabel('x-axis')
ylabel('y-axis')
zlabel('z-axis')
```

```
clear
clc
Arr1=[10 20 30 ],
Arr2=[12 20 25],
Arr=[Arr1;Arr2];
figure
plot3(Arr(:,1),Arr(:,2),Arr(:,3),'c')
grid on
xlabel('x-axis')
ylabel('y-axis')
zlabel('z-axis')
```