CAED

Lab#10

Zainab-Binte-Hassan

FA17-BECE-0020

Exercise#1:

Code:

x=(0:pi/100:2\*pi);

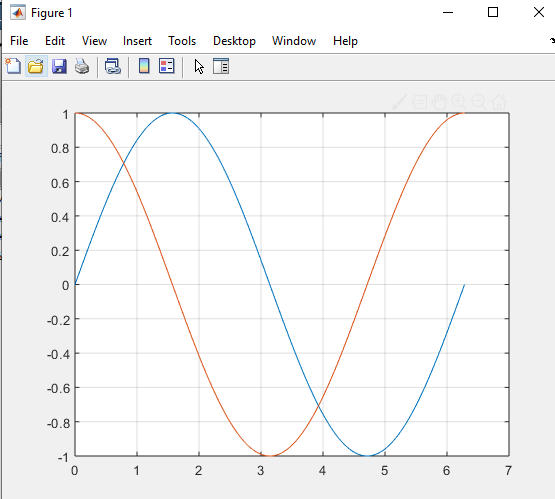
y1=sin(x);

y2=cos(x);

plot(x,y1,x,y2)

grid on

Output:



Code:

x=(0:pi/100:2\*pi);

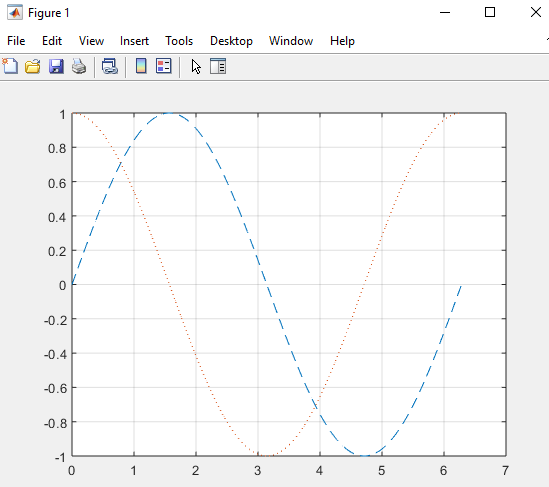
y1=sin(x);

y2=cos(x);

plot(x,y1,'--',x,y2,':')

grid on

Output:



Code:

figure

x=(0:pi/50:2\*pi);

y1=sin(x);

y2=cos(x);

subplot(2,1,1)

plot(x,y1,'--g')

subplot(2,1,2)

plot(x,y2,':r')

legend('sin(x)','cos(x)')

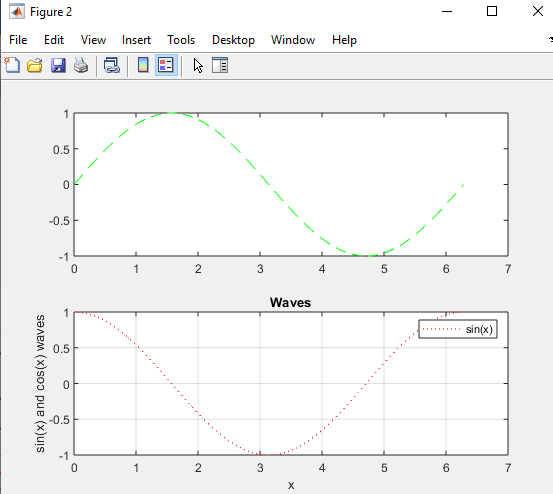
xlabel("x")

ylabel("sin(x) and cos(x) waves")

title("Waves")

grid on

Output:



Exercise#2:

x=[0:0.01:4\*pi];

y=sin(x);

plot(x,y)

title("Plot of a Sine Wave")

ylabel("y values")

xlabel("x values")

grid on

figure(gcf)

Output:

