

```

clc
clear
close all

t=0:0.01:2;
A1=3;
A2=1.2;

f0 = 10;
f1 = 15;

phi1 = 0.1*pi;
phi2 = 0.3*pi;

x1 = A1*sin(2*pi*f0*t + phi1);
x2 = A2*sin(2*pi*f0*t + phi1);

plot(t,x1);
hold on;
plot(t,x2);
hold off;
legend ('x1','x2');

```

