clc

close all;

f=5;

f2=10;

x=[0 1 0 1] % input signal ;

nx=size(x,2);

i=1;

while i<nx+1

t = i:0.001:i+1;

if x(i)==1

ask=sin(2\*pi\*f\*t);

else

ask=0;

end

subplot(3,1,1);

plot(t,ask);

hold on;

grid on;

axis([1 10 -1 1]);

title('Amplitude Shift Key')

i=i+1;

end

x=[0 1 1 0] % input signal ;

nx=size(x,2);

i=1;

while i<nx+1

t = i:0.001:i+1;

if x(i)==1

ask=sin(2\*pi\*f\*t);

else

ask=0;

end

subplot(3,1,2);

plot(t,ask);

hold on;

grid on;

axis([1 10 -1 1]);

title('Amplitude Shift Key')

i=i+1;

end

x=[0 0 1 1] % input signal ;

nx=size(x,2);

i=1;

while i<nx+1

t = i:0.001:i+1;

if x(i)==1

ask=sin(2\*pi\*f\*t);

else

ask=0;

end

subplot(3,1,3);

plot(t,ask);

hold on;

grid on;

axis([1 10 -1 1]);

title('Amplitude Shift Key')

i=i+1;

end