

```

clc;
n=0:0.05:1;
x1=sin(2*pi*n);
subplot(3,3,1);
stem(n,x1);
title('sine wave');

n9=-4:1:4;
x2=[zeros(1,4),ones(1,5)];
subplot(3,3,2);
stem(n9,x2);
title('unit step signal')

n1=0:0.1:1;
x3=exp(n1);
subplot(3,3,3);
stem(n1,x3);
title('exponential wave');

n2=0:1:10;
x3=n2;
subplot(3,3,4);
stem(n2,x3);
title('unit ramp');

n3=-10:0.5:10;
x4=sinc(n3/2);
subplot(3,3,5);
stem(n3,x4);
title('sinc signal');

n4=-20:1:20;
x5=sawtooth(n4);
subplot(3,3,6);
stem(n4,x5);
title('sawtooth wave');

n5=-10:1:10;
x6=rectpuls(n5/10);
subplot(3,3,7);
stem(n5,x6);
title('rectangular wave');

x7=tripuls(n5/10);
subplot(3,3,8);
stem(n5,x7);
title('triangular wave');

x8=cos(2*pi*n);
subplot(3,3,9);
stem(n,x8);
title('cosine wave');

```