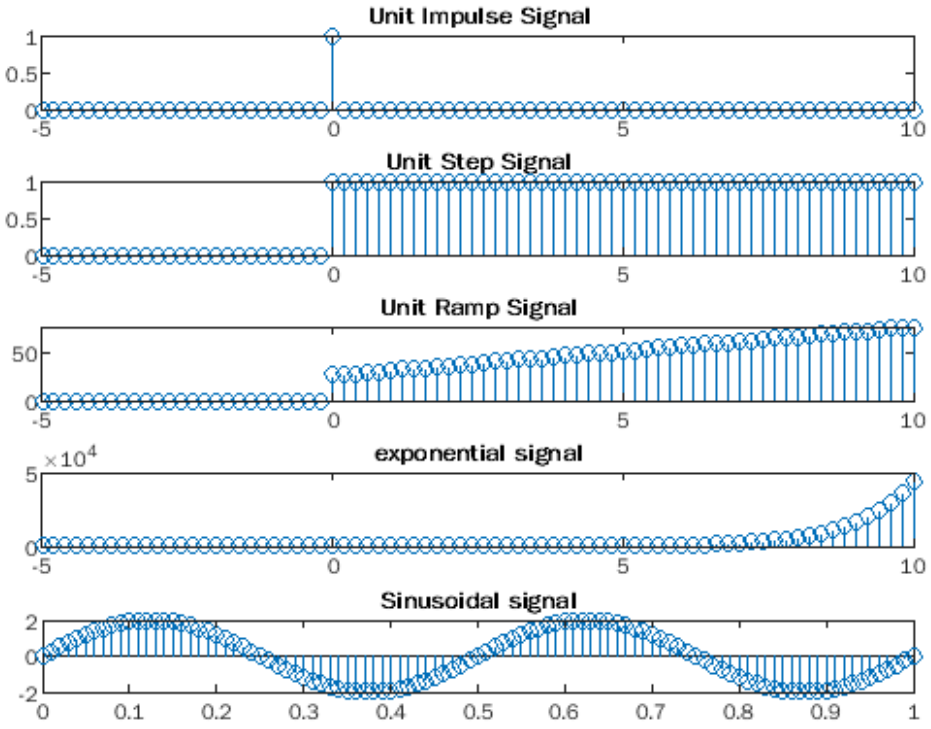
```
clc;
clear all;
close all;
t=-5:0.2:10;
[m,n]=size(t);
%Unit impulse Signal
d=zeros(m,n);
for i=1:n
    if t(i)==0
        d(i)=1;
    else
        d(i)=0;
    end
end
subplot(5,1,1);stem(t,d);title('Unit Impulse Signal')

%Unit step Signal
u=zeros(m,n);
for i=1:n
    if t(i)>=0
        u(i)=1;
    else
        u(i)=0;
    end
end
subplot(5,1,2);stem(t,u);title('Unit Step Signal')
%Unit ramp Signal
r=zeros(m,n);
for i=1:n
    if t(i)>=0
        r(i)=i;
    else
        r(i)=0;
    end
end
subplot(5,1,3);stem(t,r);title('Unit Ramp Signal')
%exponential signal
e=zeros(m,n);
A=2
b=1
for i=1:n
    e(i)=A*exp(b*t(i));
end
subplot(5,1,4);stem(t,e);title('exponential signal');
%sinusoidal signal
t1=0:0.01:1;
A1=5;
f=2
x=A*sin(2*pi*f*t1);
subplot(5,1,5);stem(t1,x);title('Sinusoidal signal');
```

```
A =

     2

b =

     1

f =

     2
```



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