

```
1  clc
2  clear all
3  close all
4
5  y = [ 0 0 0 0 1 0 0 0 0 ]
6  x = -4 : 1 : 4
7  subplot( 3, 2, 1 )
8  stem( x, y )
9  xlabel('time')
10 ylabel('amplitude')
11 title('Unit Impulse Sequence')
12
13 y = [ 0 0 0 0 1 1 1 1 1 ]
14 x = -4 : 1 : 4
15 subplot( 3, 2, 2 )
16 stem( x, y )
17 xlabel('time')
18 ylabel('amplitude')
19 title('Unit Step Sequence')
20
21 y = [ 0 0 0 0 0 1 2 3 4 ]
22 x = -4 : 1 : 4
23 subplot( 3, 2, 3 )
24 stem( x, y )
25 xlabel('time')
26 ylabel('amplitude')
27 title('Unit Ramp Sequence')
28
29 x = -4 : 1 : 4
30 y = exp( x )
31 subplot( 3, 2, 4 )
32 stem( x, y )
33 xlabel('time')
34 ylabel('amplitude')
35 title('Exponential Signal')
36
37 x = -4 : 0.2 : 5
38 y = sin( x )
39 subplot( 3, 2, 5 )
40 stem( x, y )
41 xlabel('time')
42 ylabel('amplitude')
43 title('Sine Signal')
44
45 x = -4 : 0.2 : 5
46 y = cos( x )
47 subplot( 3, 2, 6 )
48 stem( x, y )
49 xlabel('time')
50 ylabel('amplitude')
51 title('Cosine Signal')
```