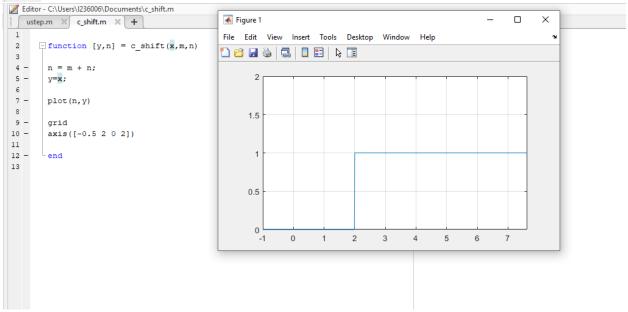
```
ustep.m × c_shift.m × +
1
2
     function u = ustep(t1,t2,to)
3
4 -
       inc=0.01;
5 -
       n=-tl:inc:t2;
       u=[zeros(1,(t1+to)./inc) 1 ones(1,(t2-to)./inc)];
 6 -
7 -
       plot(n,u)
       grid
8 -
       axis([-0.5 12 0 1.5])
9 -
10
11 -
      ∟end
12
13
14
```



```
t1 = 3

t2 = 6

t0 = 0

- y = ustep(t1,t2,t0)

- y = step(t1,t2,t0)

clc

t1 = 3

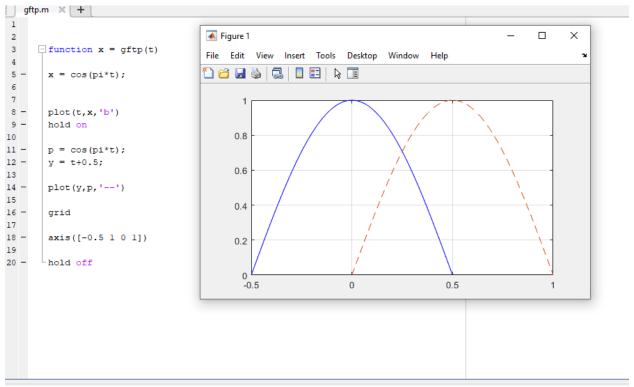
t2=6

to=0

f = ustep(t1,t2,to)

m = -3:0.01:6

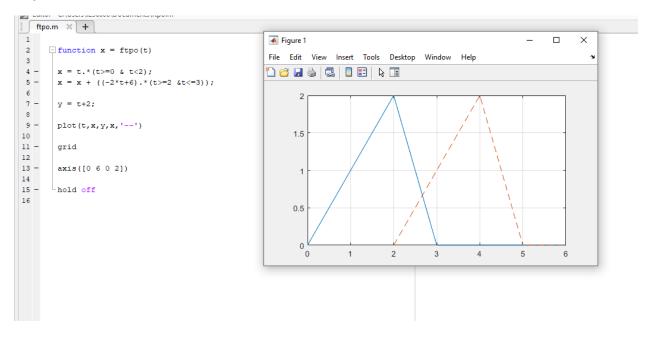
>> [y,n] = c_shift(f,m,n)
```

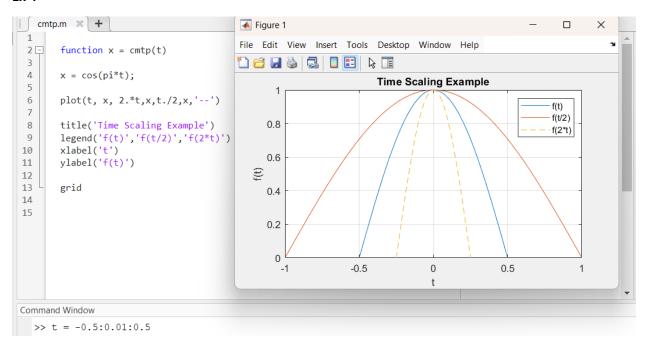


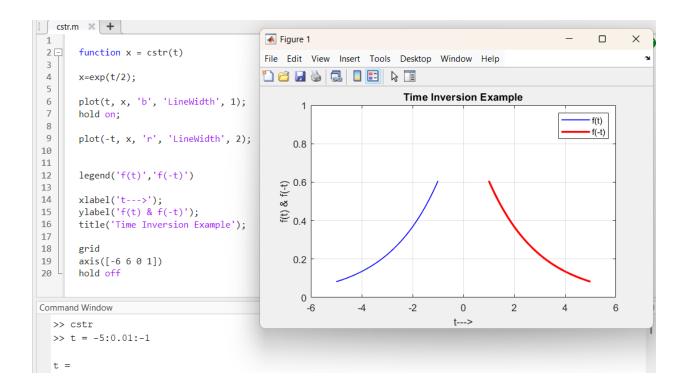
Command Window

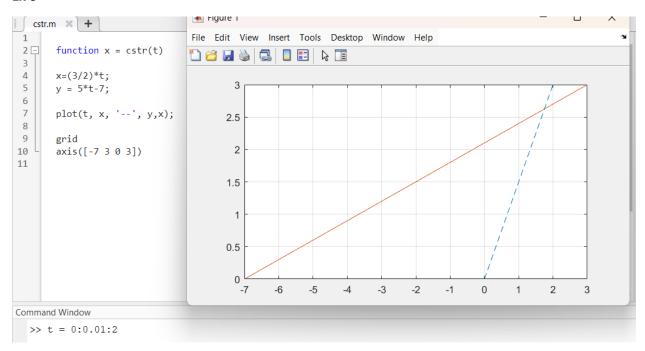
New to MATLAB? See resources for $\underline{\text{Getting Started}}.$

```
>> t = -0.5:0.01:0.5
```









Ex 7

```
- 0 X
cmtp.m × +
                                              Figure 1
 1
                                              File Edit View Insert Tools Desktop Window Help
 2 🖵
       function x = cmtp(t)
                                             3
 4
       x = 0*(t<-1);
      x = x+(-t).*(t>=-1 & t<0);

x = x + 1*(t>0 & t<1);
 5
 6
 7
       x = x+0*(t>=1);
                                                 1.2
 8
 9
                                                   1
       y = -t/2;
       plot(t, x, '--', y ,x,'LineWidth',2)
10
                                               €0.8
0.6
11
       xlabel('t-->')
ylabel('x(t)')
12
13
14
                                                 0.4
15
       grid
       axis([-2 2 0 1.4])
16
                                                  0.2
17
18
       end
                                                   0
19
                                                    -2
                                                         -1.5
                                                                -1
                                                                     -0.5
                                                                            0
                                                                                 0.5
                                                                                             1.5
Command Window
 >> t = -1.2:0.01:1.2
```

