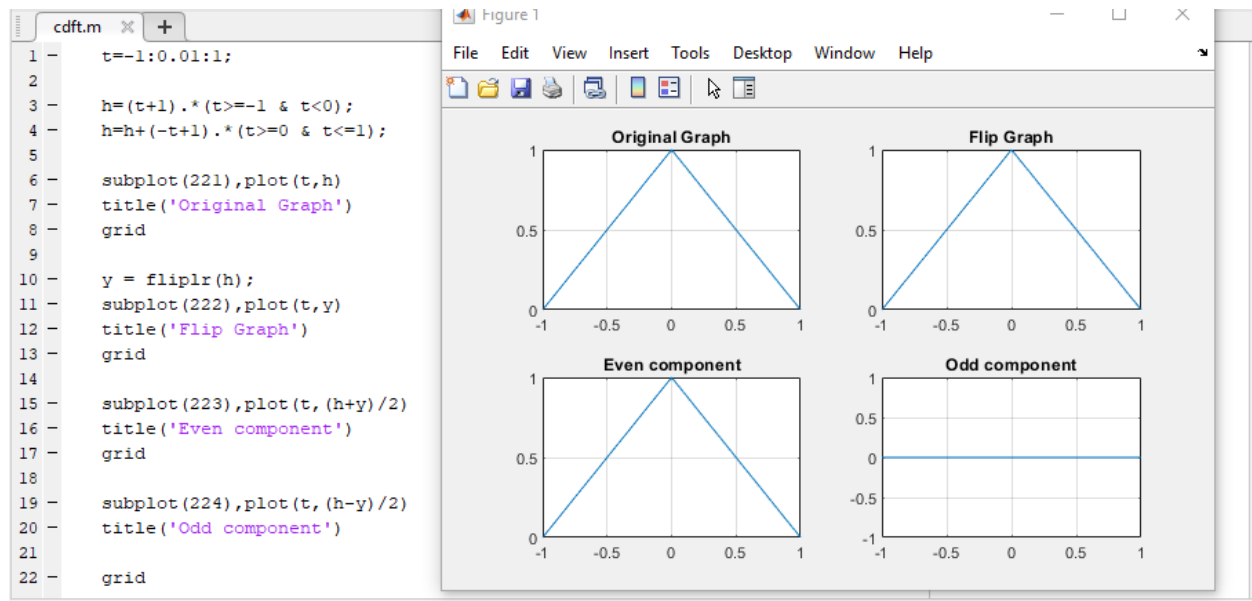
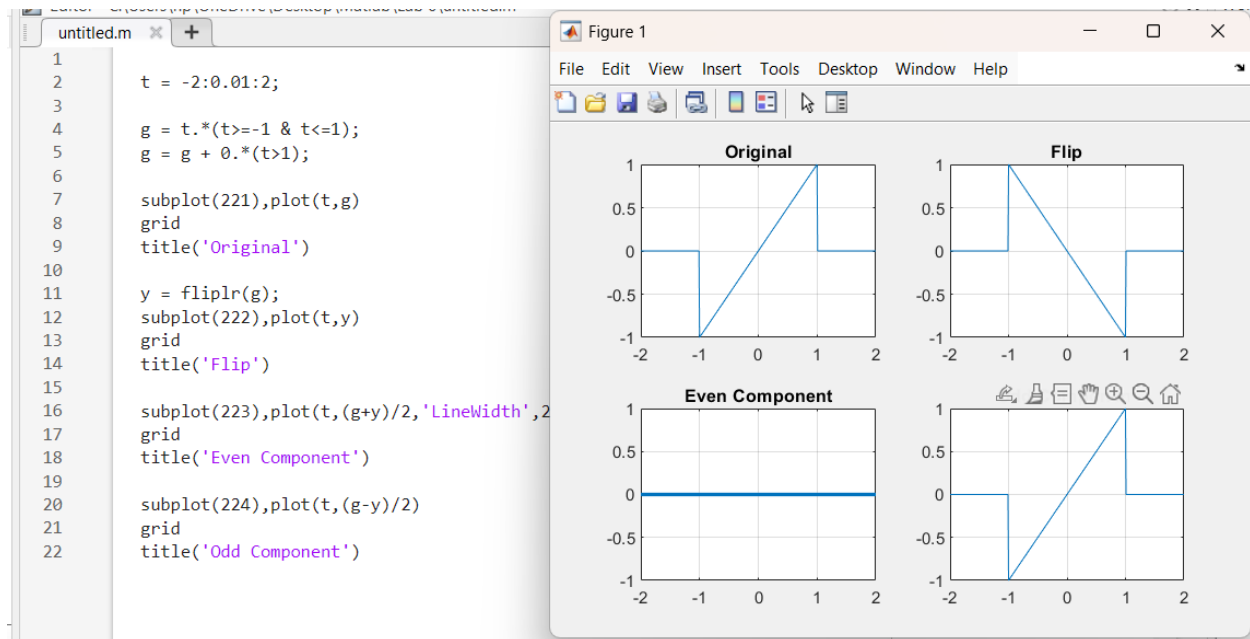


Lab 6

Ex 6.1.1



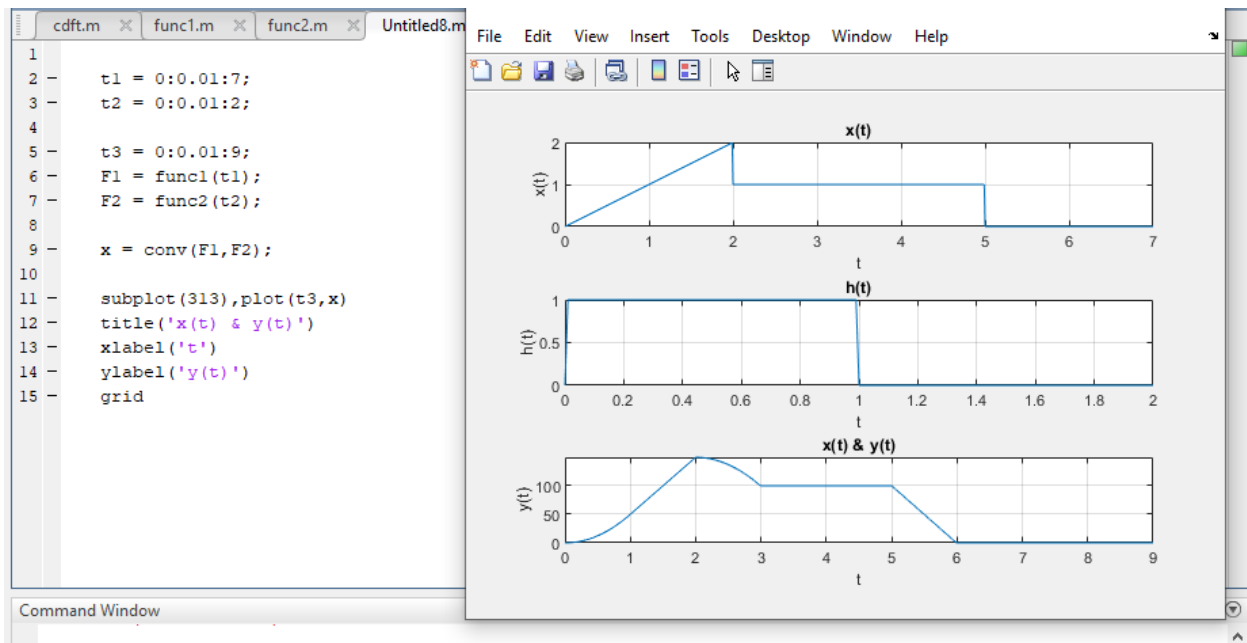
Ex 6.1.2



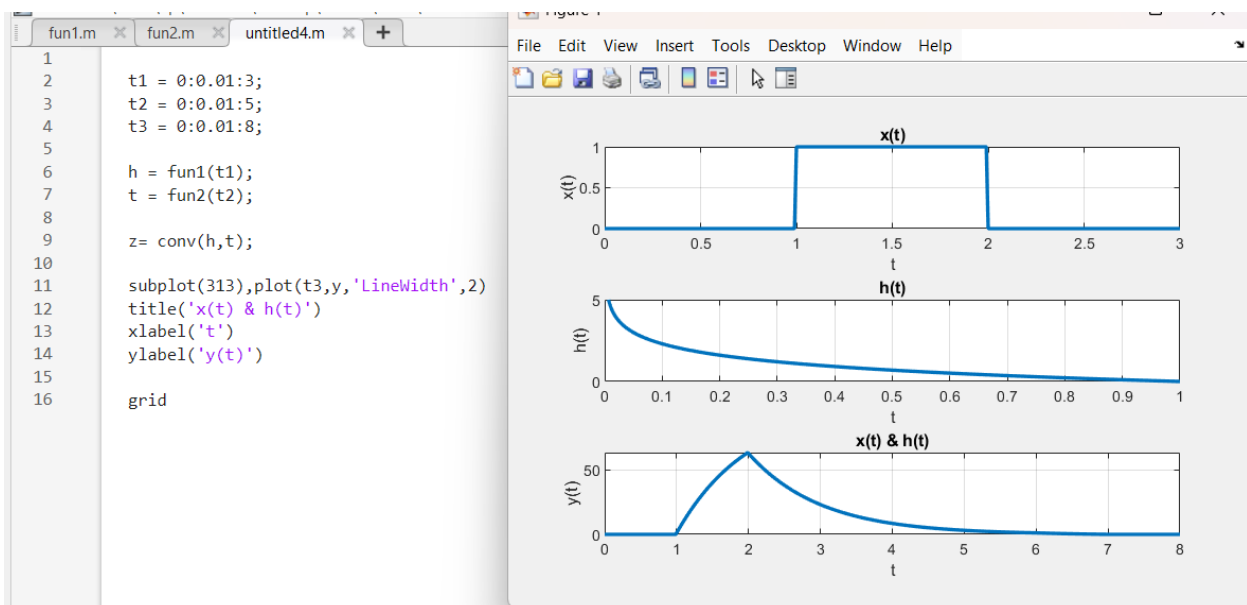
Ex 6.2.1

```
cdft.m x func1.m x func2.m x Untitled8.m x +
1
2
3 function F2 = func2(t2)
4
5     F2 = 1.*(t2>0 & t2<1);
6
7     F2 = F2 + 0*(t2>=1);
8
9     subplot(312),plot(t2,F2)
10    title('h(t)')
11    xlabel('t')
12    ylabel('h(t)')
13    grid
```

```
cdft.m x func1.m x func2.m x Untitled8.m x +
1
2 function F1 = func1(t1)
3
4     F1 = t1.*(t1>=0 & t1<2);
5     F1 = F1 + (t1>=2 & t1<2);
6     F1 = F1 + 1.*(t1>=2 & t1<5);
7     F1 = F1 + 0.*(t1>=5);
8
9     subplot(311),plot(t1,F1)
10    title('x(t)')
11    xlabel('t')
12    ylabel('x(t)')
13    grid
```



Ex 6.2.2



```
fun1.m  fun2.m  untitled4.m  +
1
2  function t = fun2(t2)
3
4      t = exp(-t2);
5
6      subplot(312),plot(t,t2,'LineWidth',2)
7
8      title('h(t)')
9      xlabel('t')
10     ylabel('h(t)')
11
12     grid
```

```
fun1.m  fun2.m  untitled4.m  +
1
2  function h = fun1(t1)
3
4      h = 0*(t1>=1 & t1<1);
5      h = h+1*(t1>=1 & t1<2);
6      h =h+0.*(t1>=2);
7
8      subplot(311),plot(t1,h,'LineWidth',2)
9
10     title('x(t)')
11     xlabel('t')
12     ylabel('x(t)')
13     grid
```