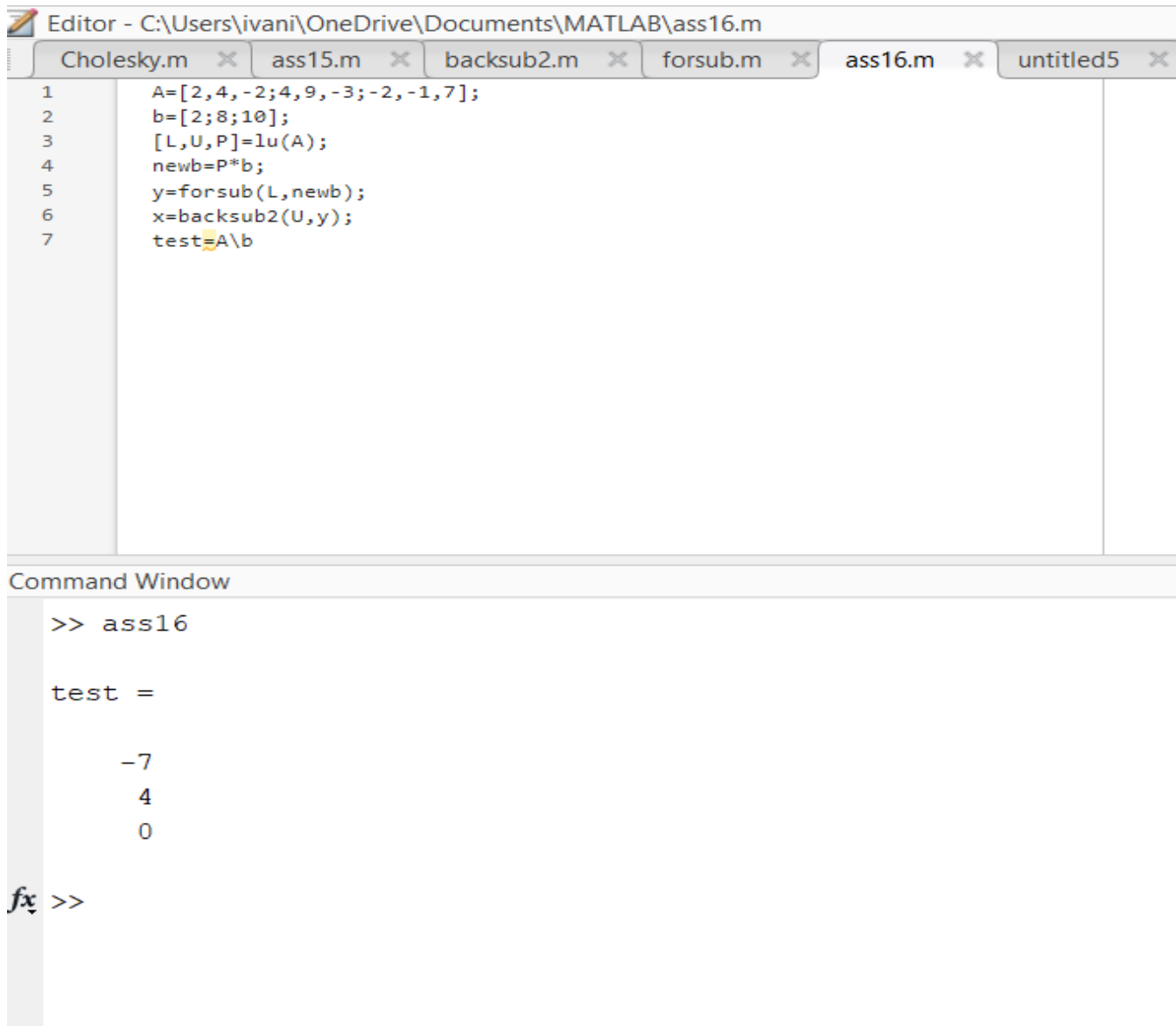


Assignment 16



The image shows a MATLAB environment with an Editor window and a Command Window. The Editor window has several tabs: Cholesky.m, ass15.m, backsub2.m, forsub.m, ass16.m, and untitled5. The active tab is ass16.m, which contains the following code:

```
1 A=[2,4,-2;4,9,-3;-2,-1,7];  
2 b=[2;8;10];  
3 [L,U,P]=lu(A);  
4 newb=P*b;  
5 y=forsub(L,newb);  
6 x=backsub2(U,y);  
7 test=A\b
```

The Command Window shows the execution of the command `>> ass16`, resulting in the output:

```
test =  
  
    -7  
     4  
     0
```

At the bottom of the Command Window, there is a prompt `fx >>`.