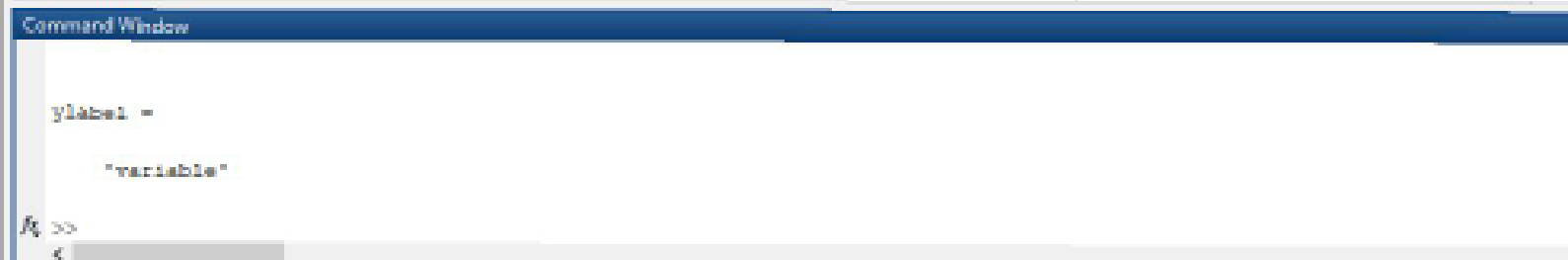
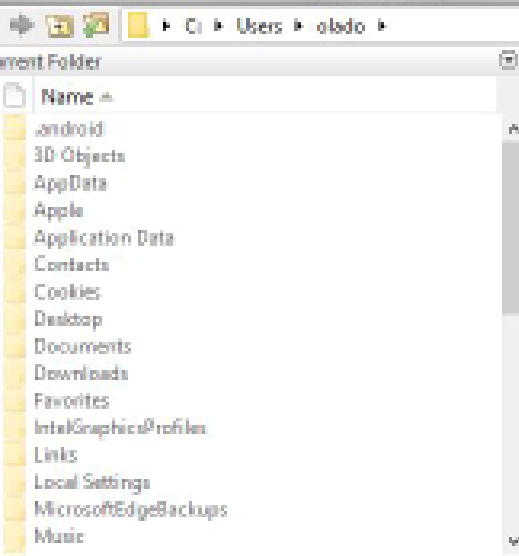
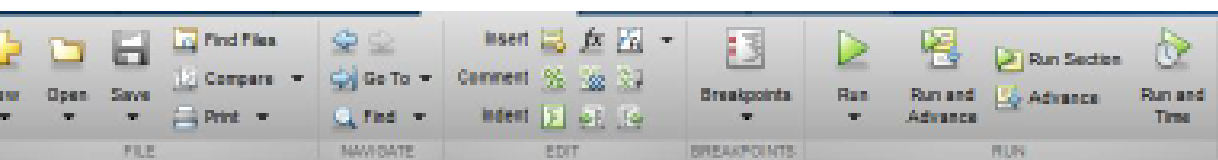


```
Editor - C:\Users\olado\Documents\MATLAB\ATKPOEMMANUEL4c.m
ATKPOEMMANUEL4a.m x ATKPOEMMANUEL4b.m x ATKPOEMMANUEL4c.m x +
1 - commandwindow
2 - clear
3 - clc
4 - close all
5 - syms t
6 - V = 110*cos(120*pi*t)
7 - C=100
8 - Pn = 0.5*C*V^2
9 - I=P/V
10 - t = [0:0.01:0.35]
11 - Vn = subs(V,t)
12 - Pn = subs(P,t)
13 - In = subs(I,t)
14 - plot(t,Vn,t,Pn,t,In)
15 - xlabel('time(sec)')
16 - ylabel('variable')
17 - grid on
18 - grid minor
19 - legend('voltage(V)', 'current(I)', 'power(W)')
20
```

Name	Value
C	100
I	1x1 sym
In	1x26 sym
P	1x1 sym
Pn	1x26 sym
t	1x36 double
V	1x1 sym
Vn	1x26 sym
xlabel	'time(sec)'
ylabel	'variable'

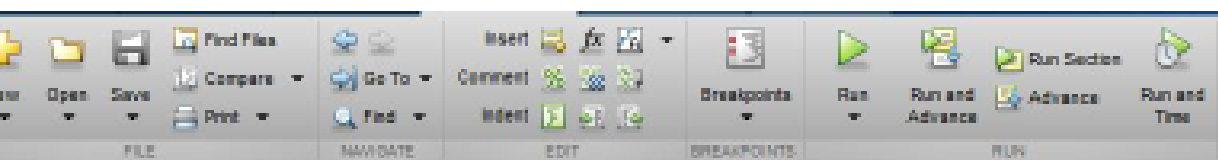




```
Editor - C:\Users\alado\Documents\MATLAB\ATKPOEMMANUEL4.m
ATKPOEMMANUEL4.m
1 - P=34
2 - Q=42
3 - R=66
4 - S=72
5 - I=80
6 - clear R
7 - clear I
8 - commandwindow
9 - clc
```

Variable	Value
P	34
Q	42
S	72





Current Folder

- Name
- android
- 3D Objects
- AppData
- Apple
- Application Data
- Contacts
- Cookies
- Desktop
- Documents
- Downloads
- Favorites
- IntelGraphicsProfiles
- Links
- Local Settings
- MicrosoftEdgeBackups
- Music

Workspace

Variable	Value
A	4x4 double
B	[10;8;3;-7]
C	4x4 double
D	[-1.0000;2.0000;-3.0000;...
E	[273;273;273;273]
F	[272;275;270;277]

Editor - C:\Users\alado\Documents\MATLAB\ATKPOEMMANUEL4b.m

ATKPOEMMANUEL4b.m

```
1 - commandwindow
2 - c1c
3 - clear
4 - A=[1 -2 -1 3; 2 3 0 1; 1 0 -4 -2; 0 -1 3 1]
5 - B=[10; 8; 3; -7]
6 - C=inv(A)
7 - D=C*B
8 - E=[273; 273; 273; 273]
9 - F=D+E
10
11
12
13
14
15
```

Command Window

```
F =
    272
    275
    270
    277

>>
```



$\times 10^5$

