

Navigation and editing toolbar with tabs: APPS, EDITOR, PUBLISH, VIEW. Includes icons for Insert, Comment, Indent, Breakpoints, Run, Run and Advance, Run Section, Advance, Run and Time.

File explorer and command window tabs on the left side of the interface.

```
Editor - C:\Users\user\Desktop\Apenakareem1new.m
Apenakareem1new.m x ApenaKareem2new.m x ApenaKareem3new.mlx +
1 - commandwindow
2 - clear
3 - clc
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 - x=c*b
```

Command Window  
Fn(t) =  
[ 0, -3630000000000000\*2^(1/2)\*pi\*(5^(1/2)/4 + 1/4)\*(5 - 5^(1/2))^(1/2), -3630000000000000\*2^(1/2)\*pi\*(5^(1/2)/4 + 1/4)\*(5 - 5^(1/2))^(1/2), 0]  
fx >> em  
<

APPS EDITOR PUBLISH VIEW

Insert  $fx$   $f_i$  Breakpoints Run Run and Advance Run Section Advance Run and Time

Comment % % % Indent Find Go To

NAVIGATE EDIT BREAKPOINTS RUN

rs ▶ user ▶

Editor - C:\Users\user\ApenaKareem2new.m

Apenakareem1new.m x ApenaKareem2new.m x ApenaKareem3new.mlx +

```

1 -   commandwindow
2 -   clear
3 -   clc
4 -   close all
5 -   syms t
6 -   V(t)=110*cos(120*pi*t)
7 -   C=100.*(10.^6)
8 -   dV=diff(V)
9 -   I=C*dV
10 -  P=V(t) *I
11 -  tn=[0:0.01:0.35]
12 -  Vn=subs(V,tn)
13 -  In=subs(I,tn)
14 -  Pn=subs(P,tn)
15 -  plot(tn,Vn,tn,In,tn,Pn)
16 -  xlabel('Time(secs) ')
17 -  ylabel('Variable')
18 -  grid on
19 -  grid minor
20 -  legend('Voltage (V) ', 'Current (A) ', 'Power (W) ')

```

Command Window

Pn(t) =

[ 0, -3630000000000000\*2^(1/2)\*pi\*(5^(1/2)/4 + 1/4)\*(5 - 5^(1/2))^(1/2), -3630000000000000\*2^(1/2)\*pi\*(5^(1/2)/4 - 1/4)\*(5 + 5^(1/2))^(1/2) ]

$fx$  >> em

<

APPS LIVE EDITOR INSERT VIEW

Normal

Text B I U M

Code % %

Section Break

Run Section Run and Advance Run to End

Run Step Stop

NAVIGATE TEXT CODE SECTION RUN

user

Command Window

Fn(t) =

[ 0, -3630000000000000\*2^(1/2)\*pi\*(5^(1/2)/4 + 1/4)\*(5 - 5^(1/2))^(1/2), -3630000000000000\*2^(1/2)\*pi\*(5^(1/2)/4 - 1/4)\*(5 - 5^(1/2))^(1/2)

>> em

Live Editor - C:\Users\user\ApenaKareem3new.mlx

Apenakareem1new.m ApenaKareem2new.m ApenaKareem3new.mlx +

```
commandwindow
clear R T
clc
close all
```

Command Window

Fn(t) =

[ 0, -3630000000000000\*2^(1/2)\*pi\*(5^(1/2)/4 + 1/4)\*(5 - 5^(1/2))^(1/2), -3630000000000000\*2^(1/2)\*pi\*(5^(1/2)/4 - 1/4)\*(5 - 5^(1/2))^(1/2)

>> em

ApenaKareem3new.mlx or its tab...

Windows



$10^{14}$

