

MATLAB R2017a

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File Edit View Tools Window Help

Current Folder: C:\Program Files\MATLAB\R2017a\bin

Editor: C:\Users\Emeka\Desktop\math\lookings\kingstestthree.m

```
1 - comment out this row
2 - clear all
3 - clc
4 - close all
```

Command Window

```
fx >>
```

Workspace

Name	Value
A	4x4 double
I	[100; 1; -1]
C	4x4 double
k	[2/2; 2/1; 2/1; ...]

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Current Folder: C:\Program Files\MATLAB\R2017a\bin

Editor: C:\Users\Emeka\Documents\car3.m

```
1- comment('clear')
2- clear
3- clc;
4- close all
5- A = [1 -2 -1 3; 2 3 0 1; 1 0 -4 -2; 0 -1 3 1]
6- C = inv(A)
7- T = [10; 0; 3; -7]
8- K = C'*B
9- K = 273+ T
```

Command Window

```
-1.0000
 2.0000
-3.0000
 4.0000

K -
    272
    270
    270
    277
```

Workspace

Name	Value
A	4x4 double
C	[10x3 1x7]
T	4x1 double
K	[272 270 270 277]

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Current Folder: C:\Program Files\MATLAB\R2017a\bin

Editor: C:\Users\Emeka\Documents\car1.m

```

1  commentwindow
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  T=C*dV
10 I=V(t)/I
11 Ln=[0:0.01:0.35]
12 Vn=subs(V,tn)
13 Tn=subs(T, Ln)
14 In=subs(I, tn)
15 plot(Ln,Vn, Ln, Tn, Ln, In)
16 xlabel('Time(secs)')
17 ylabel('Variable')
18 grid on
19 split window
20 legend('Voltage (V)', 'Current (A)', 'Power (W)')

```

Command Window

Workspace

Name	Value
C	1.0000e 04
dV	1x1 symfun
I	1x1 symfun
In	1x1 symfun
p	1x1 symfun
Tn	1x1 symfun
t	1x1 sym
Vn	1x1 double
V	1x1 symfun

