

MATLAB

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FILE NAVIGATE EDIT BREAKPOINTS RUN

Current Folder: C:\Users\USER1\Desktop\MATLAB2\R2018a\bin

Editor - C:\Users\USER1\Documents\KLB\Ass3Gauss.m

ass4.m ass2.m Ass3Gauss.m

```

1 - commandwindow
2 - clear
3 - clc
4 - A=[5 2 -1 -1 2 1 -3;1 1 -2 1 3 -1
5 - A(2,:)=A(2,:)-((A(2,1)/A(1,1))*A(1,:))
6 - A(3,:)=A(3,:)-((A(3,1)/A(1,1))*A(1,:))
7 - A(4,:)=A(4,:)-((A(4,1)/A(1,1))*A(1,:))
8 - A(5,:)=A(5,:)-((A(5,1)/A(1,1))*A(1,:))
9 - A(6,:)=A(6,:)-((A(6,1)/A(1,1))*A(1,:))
10 - A(3,:)=A(3,:)-((A(3,2)/A(2,2))*A(2,:))
11 - A(4,:)=A(4,:)-((A(4,2)/A(2,2))*A(2,:))
12 - A(5,:)=A(5,:)-((A(5,2)/A(2,2))*A(2,:))
13 - A(6,:)=A(6,:)-((A(6,2)/A(2,2))*A(2,:))
14 - A(4,:)=A(4,:)-((A(4,3)/A(3,3))*A(3,:))
15 - A(5,:)=A(5,:)-((A(5,3)/A(3,3))*A(3,:))
16 - A(6,:)=A(6,:)-((A(6,3)/A(3,3))*A(3,:))
17 - A(5,:)=A(5,:)-((A(5,4)/A(4,4))*A(4,:))
18 - A(6,:)=A(6,:)-((A(6,4)/A(4,4))*A(4,:))
19 - A(6,:)=A(6,:)-((A(6,5)/A(5,5))*A(5,:))
20 - T6=A(6,7)/A(6,6)
21 - T5=(A(5,7)-A(5,6)*T6)/A(5,5)
22 - T4=((A(4,7))-(A(4,6)*T6)-(A(4,5)*T5))/A(4,4)
23 - T3=((A(3,7))-(A(3,6)*T6)-(A(3,5)*T5)-(A(3,4)*T4))/A(3,3)
24 - T2=((A(2,7))-(A(2,6)*T6)-(A(2,5)*T5)-(A(2,4)*T4)-(A(2,3)*T3))/A(2,2)
25 - T1=((A(1,7))-(A(1,6)*T6)-(A(1,5)*T5)-(A(1,4)*T4)-(A(1,3)*T3)-(A(1,2)*T2))/A(1,1)

```

Workspace:

Name	Value
A	6x7 double
T1	1.0000
T2	-2.0000
T3	3
T4	4.0000
T5	2.0000
T6	-1.0000

Command Window

```

0 0.6000 -1.8000 1.2000 2.6000 -1.2000 4.6000
0 -0.0000 -4.0000 6.0000 8.0000 -7.0000 35.0000
0 -0.0000 0 1.5000 0.3333 -2.7500 9.4167
0 0.0000 0 0 4.2222 9.6667 -1.2222
0 -0.0000 0 0 0 -11.2105 11.2105

```

T6 =

-1.0000

T5 =

2.0000

T4 =

4.0000

T3 =

3

T2 =

-2.0000

T1 =

1.0000

fx >>