

NAME: ADEOLU JOHN OLA

MATRIC NO. : 16/ENG01/002

DEPT. CHEMICAL ENGR.

LEVEL: 200level

1. There are some variables in the workspace and the command window of MATLAB, and it is desired to clear all of them from the two places. Write the commands that can be used to execute this operation(s).
 - a. `commandwindow`
 - b. `clear`
 - c. `clc`

C:\Users\vic\Documents

Current Folder

- Name
- 2021
- All 2015-16 NCEM Assignments
- Avatar
- Cyberlink
- Dr Stamps
- image-line
- Maths Assignment 1
- MA II AI
- Mechanics
- My Bluetooth
- New folder
- Virtual III
- YouCam
- heng1002.m
- 1 cm

Details

Name	Value
A	Not defined
B	[4.2e4]
C	Not defined
X	[4.9745e 17; 2.0000e...

Workspace

Name	Value
A	Not defined
B	[4.2e4]
C	Not defined
X	[4.9745e 17; 2.0000e...

Editor - C:\Users\vic\Documents\chemising\GEN50-002.m

main.m | chemising\bin\10000.m | chemising\bin\10000.m | +

```
1 - clear
2 - clear
3 - clear
4 - A = [0.10, 0, 2; 8, 17, 1, 2; 1, 1, 1, 0; 0, 99, 10, 10]
5 - B = [ 1; 2; 0; 0]
6 - C = inv(A)
7 - X = B
```

Command Window

```
C
0.1786    0.1020    0.8713    0.0287
0.0887    0.0288    0.0887    0.0288
0.1020    0.1179    0.8020    0.0081
0.0887    0.1882    0.0887    0.0887

X
1.0000
0.0000
2.0000
0.0000
```

Current Folder

- Root
- 3036
- All 2014-11-28 01:48:04 (UTC)
- Avatar
- Chemistry
- Diagrams
- Image-1.tif
- Math Assignment 1
- MPH 401
- Mechanics
- My Documents
- New Folder
- Workshop
- YouCam
- Workshop

Details

Name	Value
A	not shown
ADEQU	753,0000
11 H	not shown
OLA	24 shown
H	not shown

Editor: C:\Users\16\Desktop\chemical\GEN30 3036.m

Workshop.m | workshop\16\2016.m | chemical\16\3036.m

```
2 = 1.2, 0.7, 0.8, 0.9, 1.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8
```

Command Window

```
A
    2   3   4   5   6
    7   7   8   24  8
    3   8   8   8   4
    1   1   2   3   8
    6   4   8   7   8
```

Workshop

```
753,0000
```

Current Folder

Name

- ADD
- AFE 205 - HEALTH AWARENESS
- Avatar
- CyberLink
- Dr Storage
- Image-Lite
- Maths Assignment 1
- MATLAB**
- Mathematics
- My Student
- New folder
- VirtualDJ
- Yashwanth
- 100mg0-002.m
- 1.m

Default

Workspaces

Name	State
A	25/06/2018
ADD (1)	1/11/2018
JOHN	25/06/2018
MLA	14/07/2018
R	25/06/2018

Editor - 100mg0-002.m (Document) by the user Yashwanth on 25/06/2018

100mg0-002.m | 100mg0-002.m | 100mg0-002.m

```

1  recommended
2  clear
3  tic
4  [1, 2, 7, 9, 4, 3, 7, 9, 1, 7, 2, 4, 0, 0, 7, 9, 0, 9, 2, 4, 0, 7, 2, 7, 0]
5  100mg0-002.m (2)
6  100mg0-002.m (2)
7  100mg0-002.m (2)
8  100mg0-002.m (2)

```

Command Window

100mg0-002.m

2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	12	0	0	0
6	0	0	0	0

100mg0-002.m

1.0000	1.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000
2.0000	1.0000	0.0000	0.0000	0.0000
1.0000	1.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000

C:\Users\ale\Desktop\Documents > C:\Users\ale\Desktop > Documents

Current Folder

- Name
- 2011
- All 2011 - CHM III ASSIGNMENTS
- Avatar
- Cyberlink
- D: Storage
- image1.tif
- Maths Assignment 10
- SMITH
- Mechanics
- My Bluetooth
- New folder
- sms1111
- YouCam
- ibeng1002.m
- ...

Workspace

Name	Value
A	not done
ADEOLU	765,0000
KI IN	not done
OLA	245,0000
...	not done

Editor - C:\Users\ale\Desktop\Documents\Chemical (GEN 101) 002.m

ibeng1002.m | chem1eng101.m | chem1TINCH1002.m

```

1  2 - 0.0000000000
2  2 - 0.0000000000
3  2 - 0.0000000000
4  4 - A, [2, 5, 7, 9, 0, 0, 0, 12, 0, 0, 0, 0, 0, 6, 0, 0, 0, 2, 0, 0, 0, 0, 6, 2, 0, 7, 0]
5  5 - ADEOLU, 765 (A)
6  6 - OUB, 245 (A)
7  1 - OLA, 245 (A)
8  8 - K, 245 (OLA)

```

Command Window

```

>
2011> clear all;

%2 | 1/ | 0 | 1/ | 0 | 1/ | 0 | 1/ | 2 | 1 | |
% 0 | 1/ | 2 | 1/ | 0 | 1/ | 2 | 1/ | 0 | 1 | |
% 0 | 1/ | 2 | 1/ | 0 | 1/ | 0 | 1/ | 20 | 1/ | 2 | 1 | |
% 2 | 1/ | 0 | 1/ | 20 | 1/ | 2 | 1 | |
% 2 | 1/ | 0 | 1/ | 0 | 1/ | 0 | 1/ | 0 | 1 | |
% 2 | 1/ | 2 | 1/ | 2 | 1/ | 2 | 1/ | 2 | 1 | |
% 0 | 1/ | 0 | 1/ | 27 | 1/ | 0 | 1 | |
% 2 | 1/ | 0 | 1/ | 0 | 1/ | 0 | 1/ | 2 | 1/ | 0 | 1 | |
% 2 | 1/ | 2 | 1/ | 7 | 1/ | 0 | 1/ | 0 | 1/ | 2 | 1 | |
% 0 | 1/ | 0 | 1/ | 0 | 1/ | 0 | 1/ | 0 | 1 | |
% 0 | 1/ | 0 | 1/ | 0 | 1/ | 0 | 1/ | 0 | 1 | |
% 0 | 1/ | 20 | 1/ | 0 | 1 | |
% 0 | 1/ | 12 | 1/ | 2 | 1/ | 2 | 1/ | 0 | 1 | |
% 0 | 1/ | 20 | 1/ | 0 | 1 | |

```

Current Folder

Name

- ADD
- AFE 200 HEALTH AWARENESS
- Avatar
- CyberLink
- ib Storage
- image Links
- Maths Assignment 10
- MATLAB
- Mechanics
- My Bluetooth
- New folder
- Virtual2D
- Youtubem
- 16img0002.m
- 1.m

Details

Workspace

Name	Value
A	2x5 double
NEI(0:1)	-26x10000
JOHN	2x5 double
PIA	1x5 double
R	25x4 char

Editor - C:\Users\ste\Documents\Chemical\16img0002.m

16img0002.m | chemical\GEN010002.m | chemical\GEN990002.m

```

1  commandWindow
2  clear
3  clc
4  A=[2,3,7,9,4;3,7,9,12,5;4,6,5,9,5;9,2,4,5;2,3,7,0]
5  NEI=zeros(2)
6  JOHN=nan(2)
7  PIA=nan(2)
8  R=nan(10,2)

```

Command Window

```

10 = 1/13 = 1/1-3 = 1/14(1)
1-5 = 1/1-3 = 1/1-5 = 1/14(11)
10 = 1/15 = 1/1(1)
1-5 = 1/1-12 = 1/12 = 1/12 + 1/14(11)
10 = 1/16 = 1/1-3(1)
10 = 1/14 = 1/1(1)
11 = 1/1-5 = 1/13 = 1/1-4(1)
1-5 = 1/1-24 = 1/1(1)
11 = 1/1-4 = 1/1-4(1)
1-1 = 1/13 = 1/1-2 = 1/1-5 = 1/12(11)
1-5 = 1/1-3(1)
1-5 = 1/1-5 = 1/15 = 1/13 = 1/15(11)
1-5 = 1/1-5(1)
1-1 = 1/12 = 1/14 = 1/1-3(1)
10 = 1/13 = 1/1-2 = 1/1-16 = 1/12 = 1/12(11)
10 = 1/10 = 1/1-2(1)

```

Current Folder

Name
200L
AFE 203 - HEALTH AWARENESS
Avatar
CyberLink
Dr Strange
Image-Line
Maths Assignment iv
MATLAB
Mechanics
My Bluetooth
New folder
VirtualDJ
YouCam
16eng01002.m
a.m

Details

Workspace

Name	Value
A	4x4 double
B	[-4;2;6;4]
C	4x4 double
X	[4;-9.7145e-17;2.0000;...

Editor - C:\Users\ola\Documents\chemicaleng16ENG01002.m

exercise3a.m x chemicaleng16ENG01002.m x chemical16ENG01002.m x +

```

1 - commandwindow
2 - clear
3 - clc
4 - A=[0,10,4,-2;-3,-17,1,2;1,1,1,0;8,-34,16,-10]
5 - B=[-4;2;6;4]
6 - C=inv(A)
7 - X=C*B
8

```

Command Window

```

A =
     0    10     4    -2
    -3   -17     1     2
     1     1     1     0
     8   -34    16   -10

B =
    -4
     2
     6
     4

```