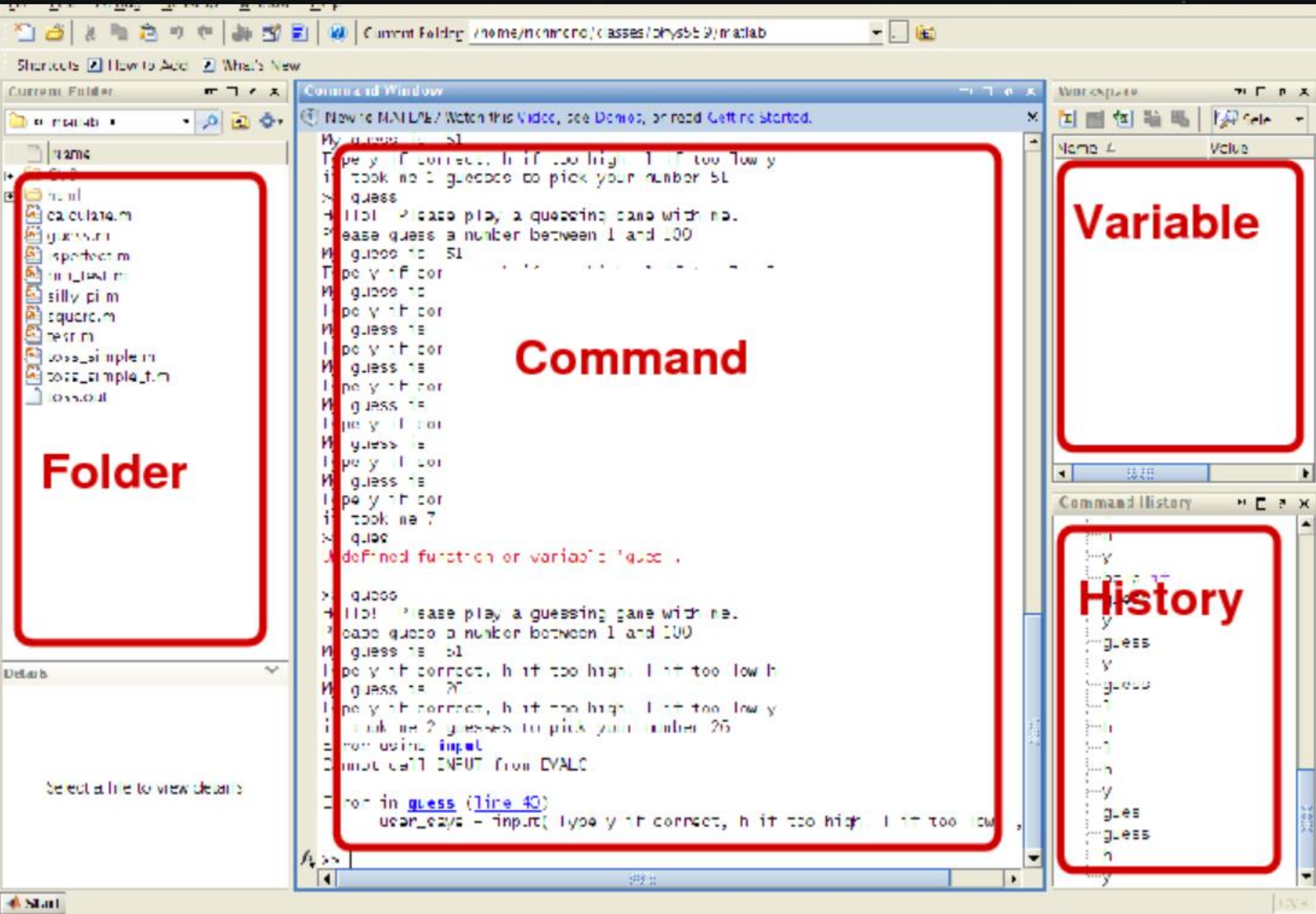


# MATHSENGATHON 2K20

## MATLAB Tutorial Part - 1



Folder

Command

Variable

History

### **Command**

Type your commands to MATLAB here -- for example, the commands to run a function, or to set a variable equal to some value. All the output of your functions will appear in this pane, too.

### **Folder**

Use this pane to look for your program files, or to set the folder in which your files will be saved.

### **Variable**

As your program executes, the values of variables will appear here. This is very useful in conjunction with the debugger.

### **History**

All the commands you type are saved here for future reference. You can also use the up-arrow key in the command pane to recall earlier commands.

MATLAB Online R2020a

HOME

PLOTS

APPS

EDITOR

PUBLISH

FILE VERSIONS

VIEW

New

Save

Find Files

FILE

Go To

Find

NAVIGATE

EDIT

Breakpoints

BREAKPOINTS

Run

Run and Advance

RUN

Run Section

Advance

Search Documentation

Jayasuryaa

ab cd.m

ex1.m

untitled6.m

CURRENT FOLDER

machine-learning-ex1

Published (my site)

ab.m

abcd.m

ex1.m

untitled5.m

untitled6.m

WORKSPACE

Name	Value	Size
a	4	1x1
ans	17.6576	1x1

COMMAND WINDOW

```
>> % MATHSENGATHON YOC 2K20
>> % Hello Participants!! From today onwards we are going to start the tutorial on Mathematical Softwares
>>
>> % 1.HOW TO WRITE COMMENTS IN MATLAB?:
>> % In MATLAB only single line comments are available. We have to type percentage symbol '%' in fron of each and every line
>>
>> % 2.IN THE FOLLOWING LINES, BASIC MATHEMATICAL OPERATIONS ARE DEMONSTRATED:
>> % (a) Addition:
>> 2+3

ans =

      5

>> 7.0+9.76+0.8976

ans =

    17.6576

>> a = 4

a =
```

MATLAB Online R2020a

HOME

PLOTS

APPS

EDITOR

PUBLISH

FILE VERSIONS

VIEW

New

Save

Find Files

FILE

Go To

Find

NAVIGATE

EDIT

Breakpoints

BREAKPOINTS

Run

Run and Advance

Run Section Advance

RUN

Search Documentation

Jayasuryaa

abcd.m

ex1.m

untitled6.m

CURRENT FOLDER

machine-learning-ex1

Published (my site)

ab.m

abcd.m

ex1.m

untitled5.m

untitled6.m

WORKSPACE

Name	Value	Size
a	4	1x
ans	94.7800	1x
b	90.7800	1x
c	94.7800	1x

COMMAND WINDOW

>> a = 4

a =

4

>> b = 90.78

b =

90.7800

>> a+b

ans =

94.7800

>> c=a+b

c =

94.7800

←

↺

MATLAB Online R2020a

HOME

PLOTS

APPS

EDITOR

PUBLISH

FILE VERSIONS

VIEW

+

New

💾

Save

🔍

Find Files

➡ Go To

🔍 Find

📄

%

🔗

%

📄

%

📌

Breakpoints

▶

Run

▶

Run and Advance

▶

Run Section Advance

📁

/ > MATLAB Drive >

▼ CURRENT FOLDER

abcd.m

ex1.m

untitled6.m

▼ WORKSPACE

Name

a

ans

b

c

x

y

z

COMMAND WINDOW

>> a = 4

a =

4

>> b=8.9078

b =

8.9078

>> c = a-b

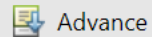
c =

-4.9078

>> a-[b+(c-a)]

ans =

4



RUN

untitled6.m

antitdco.m

 Z $y =$

←↻MATLAB Online R2020a

HOMEPLOTSAPPSEDITORPUBLISHFILE VERSIONSVIEW

+

Save

Find Files

FILE

Go To

Find

NAVIGATE

EDIT

Breakpoints

BREAKPOINTS

Run

Run and Advance

Run Section Advance

RUN

Search Documentation

Jayasuryaa

←→

MATLAB Drive

CURRENT FOLDER

abcd.mex1.muntitled6.m

WORKSPACE

Name

aansbxcyz

COMMAND WINDOW

y =  
  
8.5632  
  
>> z=x\*y  
  
z =  
  
67.6493  
  
>> % (d) Division:  
>> 2/3  
  
ans =  
  
0.6667  
  
>> 3/2  
  
ans =  
  
1.5000



MATLAB Online R2020a

HOME

PLOTS

APPS

EDITOR

PUBLISH

FILE VERSIONS

VIEW

New

Save

Find Files

FILE

Go To

Find

NAVIGATE

EDIT

Breakpoints

BREAKPOINTS

Run

Run and Advance

Run Section Advance

RUN

Search Documentation

Jayasuryaa

machine-learr

Published (my)

ab.m

abcd.m

ex1.m

untitled5.m

untitled6.m

WORKSPACE

Name

a

ans

b

c

x

y

z

abcd.m

ex1.m

untitled6.m

COMMAND WINDOW

>> [(3\*5+8.90)/(5678.09/6.9+0.1\*5)] - 3

ans =

-2.9710

>> % Thus, today we discussed Arithmetic Operations

>> % For practice, workout the following problems in the MATLAB and send the screenshot either in this group or privately to us.

>> % (i) What is [(3\*4)+(89.68/9+10)]/0

>> % (ii) m = 2.67 ; n = 4567.8769 ; l = 0.001e-03 ; o = 99 ; p = [[[(o\*m/n-9.25)\*o+o-m] \* [m/n-m]] + 2.3] Find the value of 'p'

>>

>>

>> % THANK YOU|

THANK YOU