

Daily Assessment gasmat

Date: 6/07/2020

Course: Matlab

Topic: course overview,
commands.

Matlab desktop & editor

GitHub
repository: jyoti-course

Name: Jyoti K. Dhanu

Uen: 4AL17EC037

Report

→ Commands

You can execute commands by entering them in the command window after the MATLAB prompt (`>>`) & pressing the enter key.

Unless otherwise specified, MATLAB stores collaboration in a variable named `ans`.

```
>> 7+3
```

```
ans =  
10
```

The equals sign (`=`) in matlab is the assignment operator, meaning that the expression on the right of the equals sign is assigned to the variable on the left.

When you enter `x=3+4`, matlab first evaluates `3+4` & then assigns the result (7) to the variable `x`.

Note that the workspace window (on the right) shows all the variables currently in the workspace.

Workspace

NAME	VALUE	SIZE	CLASS
<code>ans</code>	15	1x1	double
<code>m</code>	16	1x1	double

Adding a semicolon to the end of command will suppress the output, though the command will still be executed, as you can see in the workspace. When you enter a command without a semicolon at the end, MATLAB displays the result in the command prompt.

```
>> x = 5 + 1i
```

6

```
>> x = 5 + 1i
```

you can recall previous commands by pressing the up arrow key on your keyboard. note that the command window must be the active window for this to work. when you enter just a variable name at the command prompt, MATLAB returns the current value of that variable. you can save variables in your workspace to a MATLAB specific file format called a MAT-file using the save command.

to save the workspace to a MAT-file named file name.mat, use the command: `>> save filename`

→ saving & loading variables

you can save variables in your workspace to a MATLAB specific file format called a MAT-file using the save command. to save the workspace to a MAT-file & named filename.mat, use the command: `>> save filename`.

you can load variables from a MAT-file using the command `>> load filename`.

→ Using Built-in fun & constants

MATLAB contains built-in constants, such as π to represent π .

```
>> a = pi
```

a =

3.1416

Also, although only four decimal places are shown for π , it is represented internally with greater precision. MATLAB contains a wide variety of built-in functions such as `abs` (absolute value) & `eig` (calculate eigenvalues).

```
>> a = sin(-5) a = 0.9589
```

note that MATLAB uses parenthesis to pass args to functions, similar to standard mathematical notation.

→ Running script
This live script contains formatted text, code, & section breaks, in this course scripts will include task headers to show where you should enter your code.

You can test your code before submitting by running the script. To execute the entire script, click the Run button.

→ What's an array?

All MATLAB variables are arrays. This means that each variable can contain multiple elements. You can use arrays to store related data in one variable because you'll use arrays every time you program, it's impossible to get to know them & the terminology used to describe them.

Date: 06/07/2020

Name: Jyoti S. Dhanu

Uen: 4AL17E1037

Course: CISCO 301

Topic: chapter 0, Chapter 1

Github
Repository: jyoti-courses

Report

→ Welcome

Did you know that farmers can put sensors on their crops that tell them when to water, how much water is needed, & when to harvest! with this information farmers can get the best quality & quantity from their crops. coal miners can place sensors in a mine that detect tiny amounts of dangerous gases. this information saves lives.

→ Packet Tracer

In the networking chapter, you will configure a simple network using packet tracer the networking academy network simulation & tool. packet tracer is a very robust tool that you will use regularly as you participate in more advanced networking courses. you will complete lab in chapter 1 to download packet tracer, learn how to navigate in the package, & how to create simple networks

→ Assessments

Some chapters include topic assessments that are embedded into the curriculum & are meant entirely for self-evaluation each chapter