

DAILY ASSESSMENT FORMAT

Date:	9 JULY 2020	Name:	HARSHITHA H
Course:	MATLAB onramp	USN:	4AL18EC020
Topic:	1.Review problem 2.Importing data 3.Logical arrays	Semester & Section:	IV SEM & A SECTION
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FORENOON SESSION DETAILS

Image of session

The image displays three screenshots of the MATLAB Onramp interface, showing various tasks and exercises.

Top Screenshot: Task 5

Task 5: Add the title "July Electricity Usage" to the existing plot. Create a legend with the values "res", "comm", and "ind".

Code:

```

11 yrs=(1991:2013)
12
13
14 plot(yrs,res,"b-")
15 hold on
16 plot(yrs,comm,"k:")
17 plot(yrs,ind,"m-")
18 hold off
19
20 title("July Electricity Usage")
21 legend("res","comm","ind")

```

Figure: July Electricity Usage

Test Results: Correct!

- ✓ Is the title created correctly?
- ✓ Is the legend created correctly?

Middle Screenshot: Task 1

Task 1: Dot notation is used to extract table variables. To extract rows, you can use regular array indexing. Try extracting the first three rows of the table. Notice that top3 is also a table.

Code:

```

1 load datafile
2 elements
3
4 d=elements.Density
5
6 elements.Hass=elements.Density.*elements.Volume1
7 elements=sortrows(elements,"Hass")
8

```

Table: elements

Element	Density	Volume1
1 "Potassium"	0.8600	1.5
2 "Lithium"	0.5300	4.0
3 "Calcium"	1.6000	3.6
4 "Argon"	1.7800	6.8
5 "Strontium"	2.5400	5.3
6 "Scandium"	3.0000	4.7
7 "Vanadium"	6.1100	9.0

Bottom Screenshot: Task 3

Task 3: You can use the logical operators and (&) and or (|) to combine logical comparisons. To find values less than 4 and greater than 2, use &. To find values greater than 6 or less than 2, use |.

Code:

```

6 test=v1<4
7
8 v=v1(v1<4)
9
10 s=sample(v1<4)
11
12 v1(v1<4)=0
13

```

Figure: v, s, v1

v = 2x1

```

1.5177
3.6375

```

s = 2x1

```

19
20

```

v1 = 7x1

```

4.0753
6.6678
0
4.7243
9.0698
5.3002

```

Report –

MATLAB ONRAMP

1.Review problems

- Electricity usage
- Audio frequency

2.Importing data

- Import data as table

3.Logical arrays

- Logical indexing

Date:9 JULY 2020	Name:HARSHITHA H
Course: Introduction to IOT	USN: 4AL18EC020
Topic: 1.Everything needs to be secured	Semester & Section: IV SEM & A SECTION

AFTERNOON SESSION DETAILS

Image of session

The image displays three screenshots of Cisco Academy modules, likely from the 'Introduction to IOT' course. The modules are presented in a grid-like fashion, each showing a different stage of a learning activity.

Top Screenshot: This module is titled 'Chapter 5 Everything Needs to be Secured' and '5.1 Security in the Digitized World'. It shows a quiz question: 'Each of the five security breaches only affected individuals.' with options 'True' and 'False'. The 'False' option is selected, indicated by a green checkmark. The interface includes a 'Check' button and a 'Reset' button. The bottom navigation bar shows a sequence of numbered circles (1-7) with 'Figures' next to it.

Middle Screenshot: This module is titled 'Chapter 5 Everything Needs to be Secured' and '5.1 Security in the Digitized World'. It shows an activity titled 'Activity - How to Help Protect Your Personal Data'. The activity is divided into two columns: 'DO' and 'DO NOT'. The 'DO' column lists several actions to take, such as 'Backup important data to more than one location', 'Modify the default password and SSID on your home wireless router', and 'Use WPA2 and encryption for security on your wireless router'. The 'DO NOT' column lists actions to avoid, such as 'Leave your laptop/smartphone unlocked and unattended', 'Leave your wireless network unsecured', and 'Post personal pictures of yourself and your young children to Facebook'. The interface includes a 'Check' button and a 'Reset' button. The bottom navigation bar shows a sequence of numbered circles (1-7) with 'Figures' next to it.

Bottom Screenshot: This module is titled 'Chapter 5 Everything Needs to be Secured' and '5.1 Security in the Digitized World'. It shows a module titled 'Setting up a VPN on an Android device'. The module includes a section titled 'How to manually set up a VPN from the Android settings' with a list of steps: 'Step 1 • Unlock your phone.', 'Step 2 • Open the Settings app.', 'Step 3 • Under the Wireless & networks section, select More.', 'Step 4 • Select VPN.', 'Step 5 • At the top-right corner you will find a plus sign (+), tap it.', 'Step 6 • Your network administrator will provide you with all your VPN information. Simply select your desired protocol and enter all the information.', 'Step 7 • Tap Save.', 'Step 8 • You can connect by going back to the VPN settings and selecting your VPN of choice. You will be asked to enter a username and password.', and 'Step 9 • You can also hit the 3-dot menu button to set your VPN to always be on.' The module also includes a section titled 'Setting Up a VPN on Smartphones' with a paragraph explaining what a VPN is and how it works. The interface includes a 'Check' button and a 'Reset' button. The bottom navigation bar shows a sequence of numbered circles (1-2) with 'Figures' next to it.

Report –

INTRODUCTION TO INTERNET OF THINGS(IOT)

- **Everything needs to be secured**
 - **Security in digitized world**
 - **Importance of security**
 - **Protecting the corporate world**
 - **Securing personal data and devices**