

DAILY ASSESSMENT FORMAT

Date:	8 JULY 2020	Name:	HARSHITHA H
Course:	MATLAB onramp	USN:	4AL18EC020
Topic:	1.Calling functions 2.Obtaining help 3.Plotting data	Semester & Section:	IV SEM & A SECTION
Github Repository:	harshithah		

FORENOON SESSION DETAILS

Image of session

Task 1

```

load datafile
data
v1 = data(:,3);
v2 = data(:,4);

Task 1
dsize=size(data)

Task 2
[dr,dc]=size(data)

Task 3
[vfMax,ivfMax]=max(v2)
  
```

Command Window Output:

```

dsize = 1x2
       7     4

dr = 7
dc = 4

vfMax = 10.1570
ivfMax = 5
  
```

Task 1

```

x=randi(20,5,7)

Further Practice
  
```

Command Window Output:

```

X = 5x7
    17     2     4     3    14    16    15
    19     6    20     9     1    15     1
     3    11    20    19    17     8     6
    19    20    10    16    19    14     1
    13    20    17    20    14     4     2
  
```

Task 5

```

plot(v1)

Task 6
plot(v1,'linewidth',3)

Task 7
plot(sample,v1,'ro-','linewidth',4)
  
```

Figure Window Output:

Plot 1: v1 vs sample (red circles, solid line)

Plot 2: v1 vs sample (red circles, solid line, linewidth 3)

Plot 3: v1 vs sample (red circles, solid line, linewidth 4)

Report –

MATLAB ONRAMP

1. Calling functions

- Obtaining multiple output from function calls

2. Obtaining help

- Using matlab documentation

3. Plotting data

- Plotting vectors
- Annotating plots

Date:8 JULY 2020	Name:HARSHITHA H
Course: Introduction to IOT	USN: 4AL18EC020
Topic: 1.Everything generated data 2.Everything can be automated	Semester & Section: IV SEM & A SECTION

AFTERNOON SESSION DETAILS

Image of session

The first screenshot shows an activity titled 'Activity - Volume/Velocity/Variety'. It features a circular diagram divided into three segments: Volume (containing 'A lot of data'), Velocity (containing 'Data coming in quickly'), and Variety (containing 'Different types of data'). The instructions ask the user to drag characteristics into these sections.

The second screenshot shows an activity titled 'Activity - Automation or Not Automation'. It contains a table for classification:

	Automation	Not Automation
The temperature and lighting in your home or business is adjusted based on your daily routine.	✓	
You use a remote device to start your car.		✓
You use online banking to pay a bill.		✓
Robots are used in dangerous conditions such as mining, firefighting, and cleaning up industrial accidents, reducing the safety risk to humans.	✓	
Production levels are automatically tied to demand eliminating unneeded product and reducing the impact on the environment.	✓	
You adjust the volume on the television set with a remote control.		✓
Your GPS recalculates the best route to a destination based on current traffic congestion.	✓	
A refrigerator senses that you are out of milk and places an order for more.	✓	

The third screenshot shows an activity titled 'Activity - Topic Assessment'. It includes a word puzzle where words are dragged into boxes to complete sentences about automation. The words used are 'Reduces', 'Increase', 'Smart', 'Input', and 'Alter'.

INTRODUCTION TO INTERNET OF THINGS(IOT)

- **Everything generates data**
 - **Big data**
 - **Big data stored**
 - **Supporting business with big data**

- **Everything can be automated**
 - **Automation**
 - **Artificial intelligence(AL)**
 - **Machine learning(ML)**
 - **Intent-based networking**