

## DAILY ASSESSMENT FORMAT

Date:	10-07-2020	Name:	Abhishek
Course:	MATLAB Onramp	USN:	4a17ec001
Topic:	<ul style="list-style-type: none"><li>• Programming</li><li>• Final Project</li><li>• Conclusion</li></ul>	Semester & Section:	6 & 'A'
Github Repository:	Abhishek-online-courses		

### FORENOON SESSION DETAILS

Image of session

MY COURSES
MATLAB Onramp
[97% complete]
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15.1 Additional Resources: (2/2) MATLAB resources
PREVIOUS
NEXT

- 1. Course Overview 100%
- 2. Commands 100%
- 3. MATLAB Desktop and Editor 100%
- 4. Vectors and Matrices 100%
- 5. Indexing into and Modifying Arrays 100%
- 6. Array Calculations 100%
- 7. Calling Functions 100%
- 8. Obtaining Help 100%
- 9. Plotting Data 100%
- 10. Review Problems 100%
- 11. Importing Data 100%
- 12. Logical Arrays 100%
- 13. Programming 100%
- 14. Final Project 100%
- 15. Conclusion 66%
  - Additional Resources (Summary)
  - Additional Resources (MATLAB resources)


Congratulations! You have now learned the basics of MATLAB.

[Click here](#) to print or share a progress certificate and explore other available courses.

Completing the survey at the end of the course is required for 100% completion.

### Learn New MATLAB Skills with Cody

Cody is a MATLAB problem-solving game. Practice your programming skills while having fun! Join the MATLAB Onramp Practice group




**MATLAB Onramp Practice**  
Test your MATLAB skills. Finish all the problems to earn the MATLAB Onramp Practice Master badge!

### Related Training

Take *MATLAB Fundamentals* for a comprehensive introduction to data analysis, visualization, modeling, and programming:

- Create, modify, annotate, and export plots
- Import tabular data
- Perform typical data analysis tasks
- Increase automation using flexible code and



**MATLAB Fundamentals**  
Twenty-one hours of content

PREVIOUS
NEXT

## Report –

### Programming

- Within any program, you can define sections of code that either repeat in a loop or conditionally execute.
- Loops use a for or while keyword, and conditional statements use if or switch.
- Additional keywords provide finer control over the program flow.

- **Syntax:**

<code>if, elseif, else</code>	Execute statements if condition is true
<code>switch, case, otherwise</code>	Execute one of several groups of statements
<code>for</code>	for loop to repeat specified number of times
<code>while</code>	while loop to repeat when condition is true
<code>try, catch</code>	Execute statements and catch resulting errors
<code>break</code>	Terminate execution of for or while loop
<code>return</code>	Return control to invoking script or function
<code>continue</code>	Pass control to next iteration of for or while loop
<code>pause</code>	Stop MATLAB execution temporarily
<code>parfor</code>	Parallel for loop
<code>end</code>	Terminate block of code or indicate last array index

- **Example:**

Example	Description
<pre> if x &gt; 0.5     y = 3 else     y = 4 end </pre>	<p>If <math>x</math> is greater than 0.5 , set the value of <math>y</math> to 3 .</p> <p>Otherwise, set the value of <math>y</math> to 4 .</p>
<pre> for c = 1:3     disp(c) end </pre>	<p>The loop counter ( <math>c</math> ) progresses through the values 1:3 (1 , 2 , and 3 ).</p> <p>The loop body displays each value of <math>c</math> .</p>

<b>Date:</b>	<b>10-07-2020</b>	<b>Name:</b>	<b>Abhishek</b>
<b>Course:</b>	<b>Introduction to IOT</b>	<b>USN:</b>	<b>4a117ec001</b>
<b>Topic:</b>	<b>Chapter 6</b>	<b>Semester &amp; Section:</b>	<b>6 &amp; 'A'</b>

## AFTERNOON SESSION DETAILS

### Image of session

The screenshot shows a presentation slide from Cisco Academy. The background is an aerial view of a city with a river and bridges. The slide title is 'Introduction to the Internet of Things'. The navigation bar at the top shows the following structure:

- Chapter 6: Educational and Business Opportunities
  - 6.1: Where Can I Go from Here?
  - 6.1.2: Educational and Professional Opportunities
  - 6.1.2.3: Communities of Interest (selected)

The main content area is titled 'Communities of Interest' and contains the following text:

A community of interest is a group of people who share a common interest or passion about a specific topic. These people get together to share information and ideas about this topic.

This shared interest allows the group to develop into a true community. Members of these communities are extremely knowledgeable and passionate about the topic being discussed and are willing to share their knowledge with other community members. This makes the community an excellent resource for the development of the area of interest.

The Internet allows these communities to exist virtually and span several geographic areas and time zones. Members can share files and technology in real time.

Several IoT communities exist. The IEEE runs an IoT community that can be found [here](#). LinkedIn also has an IoT community [here](#).

The slide also features a central image of hands holding a tablet displaying a network diagram with a globe and connected nodes. At the bottom, there is a navigation bar with icons for Recent Pages, Bookmarks, Course Index, Search, Languages, Select Background, Help, and Return to Class.

## Report –

### Challenges in the Digitized World

- The IoT provides many benefits but at the same time it presents many challenges.
- Since the IoT is a transformational technology, we are now faced with an ever expanding collection of new technology that we must master.
- The IoT is changing every aspect of our lives.
- The IoT is changing the job market.
- Traditional jobs are being replaced with jobs that are designed to embrace this new world and all it offers.
- These jobs reflect skills spanning multiple disciplines that include computer science, computer engineering and software engineering in the following areas:
  - ✓ Artificial Intelligence
  - ✓ Application Development
  - ✓ IoT Program Developer
  - ✓ IoT Security Specialist
  - ✓ Collaboration
  - ✓ Enterprise Networks
  - ✓ Data Center and Virtualization

### Cisco Networking Academy

- The rapid growth of networks has created a global shortage of people who are qualified to implement and maintain networking solutions, especially in places where networks are being built to promote economic development.
- At the same time, people need access to better training and career opportunities to successfully compete in the global economy.
- The Cisco Networking Academy Program has trained more than five million students to date.
- Many graduates have gone on to successful IT careers in a variety of industries, while others have harnessed the entrepreneurial spirit and knowledge they acquired to start

their own businesses and create new jobs.

### **Industry Certifications**

- Industry certifications are highly respected by employers around the world and help validate the skills needed to launch successful careers in networking and IT.
- Certifications are achieved by passing an exam proctored by a certifying authority.
- Students must complete training materials specific to the certification exam.
- Field experience is often very helpful, but not always required, to pass a certification exam.
- Cisco Networking Academy provides courses that prepare students for the industry certifications.