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- Review problems:  
Bring together concepts that you have learned with a project.
- project - Electricity usage.  
Task: Electricity data is stored in a file named electricity.mat load that Matfile into matlables then enter usage in the script to see the matrix  
load electricity.mat  
usage.
- Project - Audio Frequency.  
The c-chord recording is stored in a file named Cchord.com  
This file contains two variables.
  - y: signal from recording.
  - fs: sampling frequency.load the file Cchord.mat.
- Importing Data:  
Bring data from external files into MATLAB.
  - import tool.
- 9 SUNDAY • Importing Data as a table: To extract a variable from the table, you can use dot notation.
- Logical Arrays: Use logical expressions to help you to extract elements of interest from MATLAB arrays.
- Logical Indexing:



## Cisco: Everything Can be Automated

- Introduction
- What is Automation?  
Automation is any process that is self-driven and reduces, then eventually eliminates, the need for human intervention.
- How is Automation being used?
  - Smart Home Automation
  - Smart Buildings
  - Industrial IOT & Smart Factories
  - Smart cities
  - Smart Grids
  - Stores & services
- Pocket Tracer - Explore The smart home
- What is Artificial Intelligence & Machine Learning
- ML in the IOT
  - Speech Recognition
  - Product Recommendation
  - Shape Recognition
  - Facial Recognition

- \* What is Intent - Based network (IBN)
- Uses cases for intent-based Networking
- \* Summary

## Chapter 5: Everything needs to be secured

- \* Introduction
- \* Types of Data



## \* Data types:

- Social security numbers
- Email addresses
- Bank account numbers
- Student tuition bill
- Credit rating

\* Data is the way hands  
Hackers have accessed the data of  
many companies over the years.

- \* Internal finger print
- \* Physical security

- Data center physical security
- Security traps
- Biometric access

## \* Safe Wi-Fi usage.

\* protecting devices

\* How to protect your personal Data

\* Smart Homes.

\* public Hotspots.

• Do not access or send any sensitive  
personal information over a public wireless network

## \* Setting up a VPN on smart phones.

• How to manually set up a VPN from the  
Android settings.

• How to manually set up a VPN on your  
iPhone or iPad.

\* Summary.