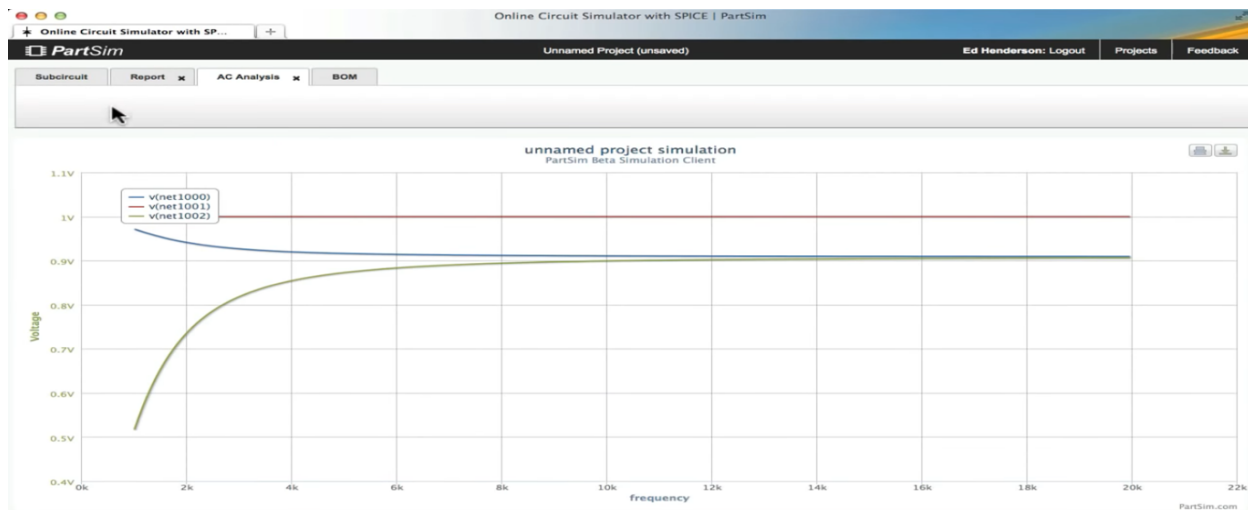
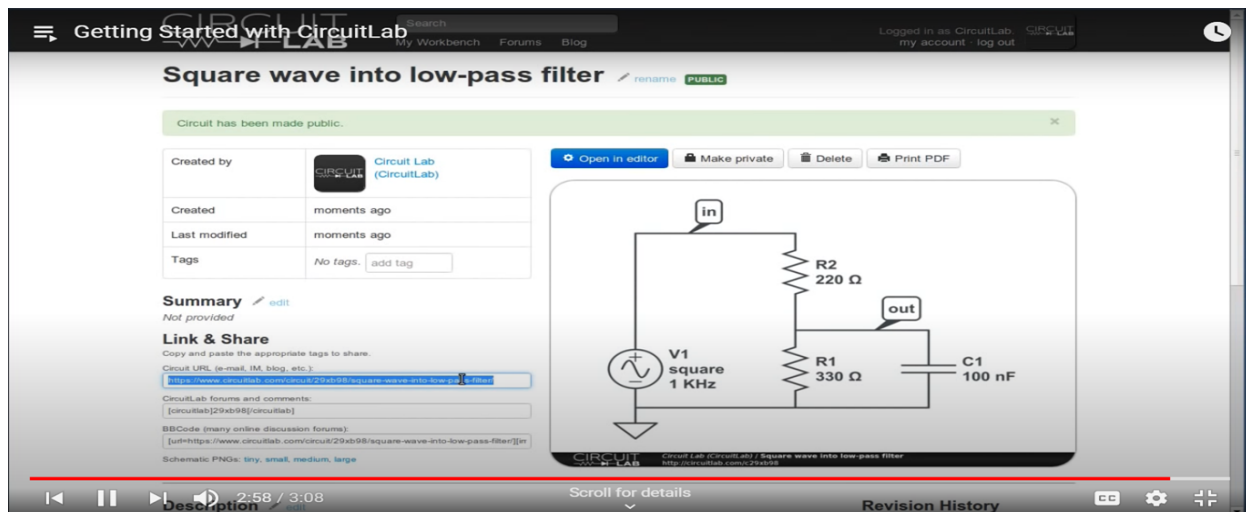


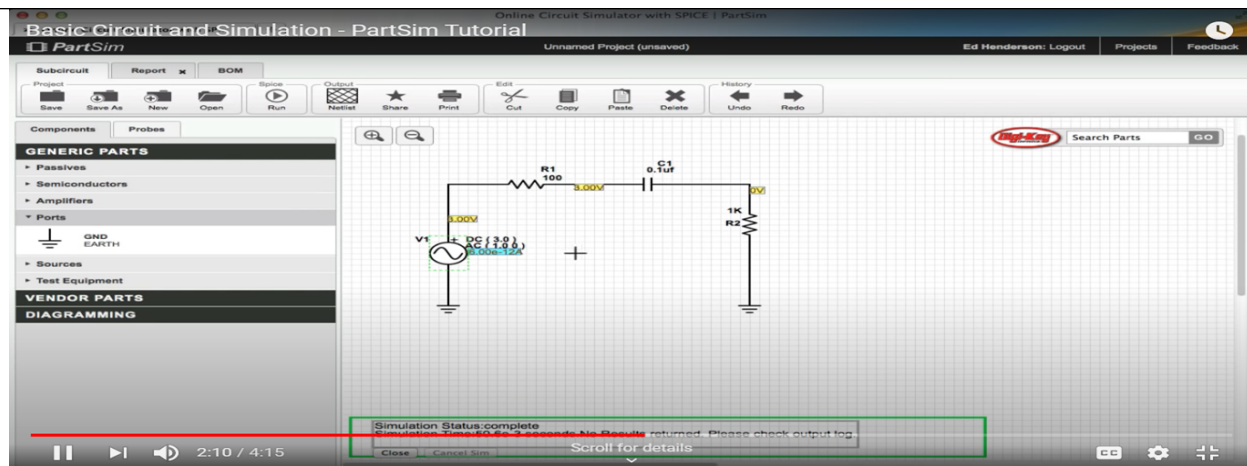
# DAILY ASSESSMENT FORMAT

Date:	4 JUNE 2020	Name:	HARSHITHA H
Course:	ELECTRICAL NETWORK THEORY	USN:	4AL18EC020
Topic:	Online open source circuit simulation	Semester & Section:	IV SEM & A SECTION
Github Repository:	harshithah		

## FORENOON SESSION DETAILS

Image of session





## Report –

# ELECTRICAL NETWORK THEORY

## TOPICS COVERED:

### 1. Online open source circuit simulation:

- Circuit lab
- Part Sim

### Objectives:

Practice Mesh and Nodal analysis and network theorems using both the circuits (AC & DC analysis)

<b>Date:4 JUNE 2020</b>	<b>Name:HARSHITHA H</b>
<b>Course: PYTHON</b>	<b>USN: 4AL18EC020</b>
<b>Topic: Application 9:Build a data collector web app and PostGreSQL and Flask</b>	<b>Semester &amp; Section: IV SEM &amp; A SECTION</b>

### AFTERNOON SESSION DETAILS

#### Image of session

The image displays three sequential screenshots from a Udemy video lecture titled 'The Python Mega Course'. The first screenshot, labeled '262. Backend: Getting User Input', shows a file explorer with various Python files and a terminal window running a command to install Flask and SQLAlchemy. The second screenshot, labeled '264. Backend: Storing User Data to the Database', shows a code editor with a Flask application that uses SQLAlchemy to store user data in a PostgreSQL database. It also displays a terminal window with an `sqlalchemy.exc.IntegrityError` message indicating a duplicate key value violation. The third screenshot, labeled '266. Backend: Sending Statistics to Users', shows a code editor with a Flask application that uses the `smtplib` library to send email notifications to users. The video player interface includes a progress bar, a pause button, and a notification that '21 people bookmarked this moment.' and '10 people bookmarked this moment.'

**Report –**

**PYTHON:**

**Application 9: Build a data collector web app with PostGreSQL and Flask:**

- Data collector web app
- PostGreSQL Database web app with Flask
- Frontend: HTML part  
CSS part
- Backend: Getting user part  
PostGreSQL Database model  
Storing user data to data base  
Emailing database values back to user  
Sending statistics to users
- Deploying web application to a live server