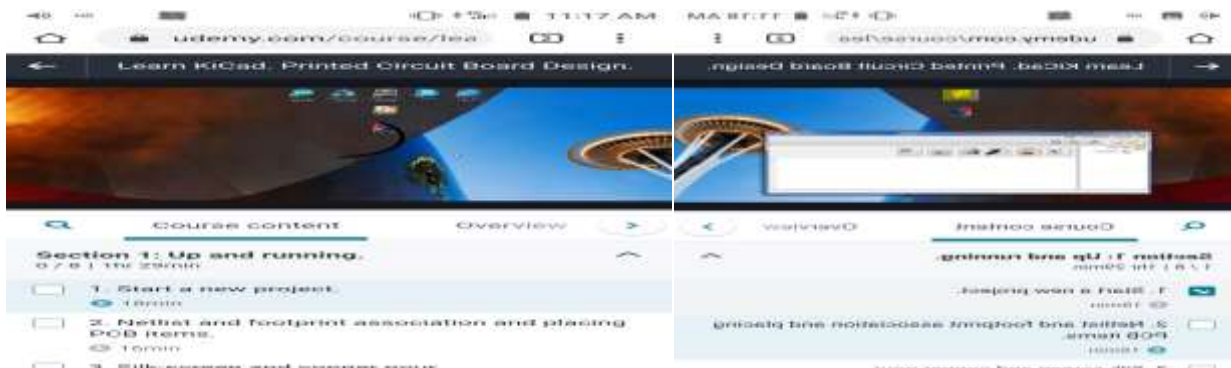


DAILY ASSESSMENT FORMAT

Date:	10-06-2020	Name:	PRINCIA MELITA DSOUZA
Course:	udemy	USN:	4AL17EC075
Topic:	Pcb design	Semester & Section:	6 TH B
Github Repository:	MELITA-1999		

FORENOON SESSION DETAILS

Image of session



Report – Report can be typed or hand written for up to two pages .

External

Tools

These are tools that KiCad users have made to aid in development of their projects either within or outside KiCad. The tools are not necessarily strictly cross platform.

altium2kicad Sourcerer
Altium2kicad can help you migrate an Altium project to KiCad, it supports most features of PcbDoc and .SchDoc, so it can convert both the PCB and schematic. It consists of a few perl scripts that are executed on the altium design files.

VIEW TOOL eeshow Werner Almesberger
Eeshow is a collection of programs that read schematics made by KiCad's Eeschema. Eeshow can be used as interactive viewer, or as a command-line tool to convert schematics to PNG, PDF, Postscript, EPS, Eeshow can show the differences between two versions of schematics sheets and it can retrieve files directly from a git repository. Eeshow was developed as part of the Neo900 project.

VIEW TOOL fped Werner Almesberger

Footprints tend to be highly repetitive, with many pads placed in a simple geometrical pattern. With fped, the user specifies the elements to repeat and the way they are repeated. Fped then generates the repetitions automatically.

VIEW TOOL KiCad StepUp ep asyw
KiCad StepUp is a FreeCAD Workbench aimed at helping both KiCad and FreeCAD users in collaborating with electrical (ECAD) and mechanical (MCAD) design.

Main features:
Load kicad board and parts in FreeCAD and export it to STEP (or IGES) models
Load kicad_mod footprint in FreeCAD to easily and precisely align the mechanical model to kicad footprint
Pull a pcb edge from a kicad_pcb board, edit it in FreeCAD Sketcher and push it back to kicad
Push & pull 3D models positions between FreeCAD and KiCAD

VIEW TOOL KiCost Dave Vandenbout (author), Hildo Guillard Jr. (collaborator)
KiCost is intended to be run as a script for generating part-cost spreadsheets for circuit

boards developed with KiCad. It works by scraping part distributor websites to get part pricing. Additionally, KiCost supports other bill of material files from other EDAs which is useful for older projects and it can even handle hand-made CSV files. KiCost also comes with a graphical user interface in addition to command line.

Date: 10-06-2020

Course: udemy

Topic: mysql

Name: PRINCIA

USN: 4AL17EC075

Semester 6th B

& Section:

AFTERNOON SESSION DETAILS

Image of session



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PHP is a server side scripting language. that is used to develop Static websites or Dynamic websites or Web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages. PHP scripts can only be interpreted on a server that has PHP installed. The client computers accessing the PHP scripts require a web browser only. A PHP file contains PHP tags and ends with the extension ".php". interpreted on the server while JavaScript is an example of a client side script that is interpreted by the client browser. Both PHP and JavaScript can be embedded into HTML pages. Programming Language Vs Scripting Language Programming language Scripting language Has all the features needed to develop complete applications. Mostly used for routine tasks The code has to be compiled before it can be executed The code is usually executed without compiling Does not need to be embedded into other languages Is usually embedded into other software environments. What does PHP stand for? PHP means - Personal Home Page, but it now stands for the recursive backronym PHP: Hypertext Preprocessor. PHP code may be embedded into HTML code, or it can be used in combination with various web template systems, web content management system and web frameworks. Php Syntax A PHP file can also contain tags such as HTML and client side scripts such as JavaScript. HTML is an added advantage when learning PHP Language. You can even learn PHP without knowing HTML but it's recommended you at least know the basics of HTML. Database management systems DBMS for database powered applications. For more advanced topics such as interactive applications and web services, you will need JavaScript and XML. The flowchart diagram shown below illustrates the basic architecture of a PHP web application and how the server handles the requests.