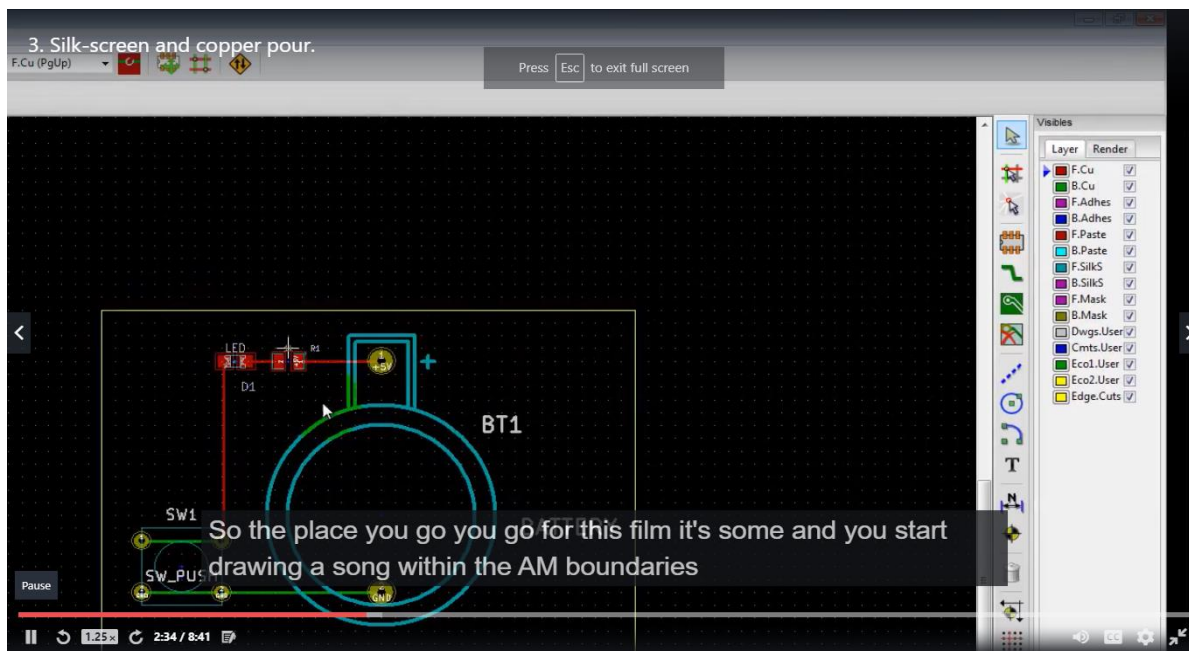


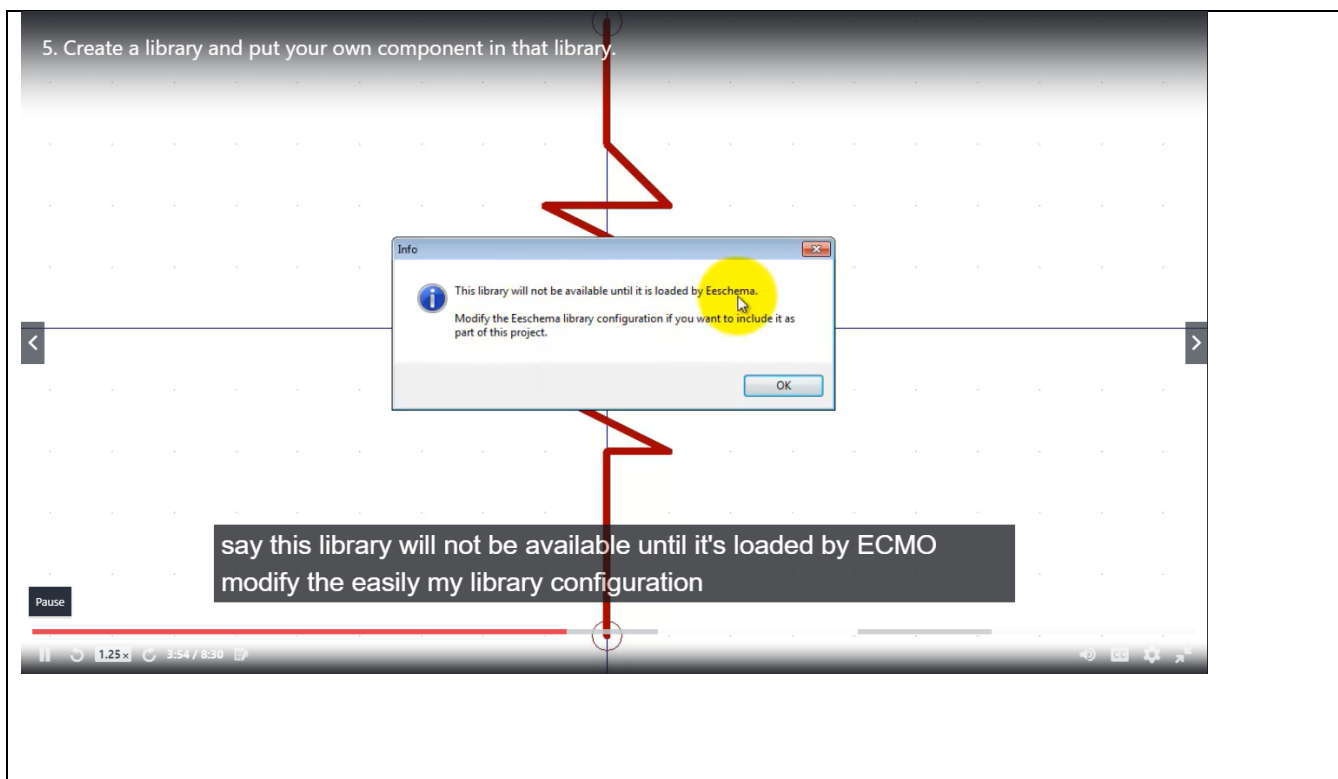
DAILY ASSESSMENT FORMAT

Date:	10-06-2020	Name:	Prajwal Kamagethi Chakravarti P L
Course:	PCB design using Ki cad	USN:	4AL17EC073
Topic:	PCB design using Ki cad	Semester & Section:	6 th & B
GitHub Repository:	https://www.github.com/alvas-education-foundation/Prajwal-Kamagethi.git		

FORENOON SESSION DETAILS

Image of session





Report –

- The silkscreen is to define the outline of the component including any package and placement tolerances.
- It is also to illustrate the outline so that components can be placed far enough apart to allow for access for rework.
- It is therefore not good practice to place components where the silkscreen will overlap the edges of the board because this may result in the component itself overhanging or at least being too close the board edge.
- There is also usually a minimum spacing required between the physical edges of the PCB and the edges of any copper tracks and planes so placing components too close to the PCB edge may violate the minimum copper to edge spacing.
- Some library parts have badly designed silkscreen that makes overlapping the PCB edge unavoidable but they should be reported as errors and redrawn with the overhanging parts on the Document or possibly the Mechanical layer.
- Mounting holes are on every PCB design, but there is very little documentation about this subject matter. A Google or Wikipedia search on “Mounting Holes” renders no solutions to the PCB designer.
- Another issue that interferes with standardization is Imperial Unit ASNI hardware and ISO

Metric hardware. So, we're going to have to explain both unit systems for clarity. But first let's start with the basic fundamentals that both unit systems have in common.

- The supported mounting hole usually gets tied to the GND plane without a Thermal Relief (a direct connection is best) and the supported hole w/vias gets both the main hole and the visited to the GND plane.
- Due to the fact that mounting hardware never gets soldered to the PCB, there is no reason for a Thermal Relief pattern and you connect all holes (including vias) directly to the plane. The unsupported (non-plated) hole has no connection to a GND plane layer and they require an outer layer keep out defined that compensates for the hardware tolerances.
- There are two primary reasons for adding vias to the supported mounting hole. The first was to ensure that if the screw threads stripped the copper plating from the main hole that the vias would still provide adequate ground connections.

- The library name should be unique within the chosen library table. It should also communicate what footprints to expect within it to your target audience. Do not include special chars inside your library name as it might create problems in some platforms.
- This means the most shareable name will only contain letters, numbers, underline and minus.
- Add additional chars at your own risk. After creating the library, you will need to add the library to the global or project library table.
- Adding it to the global table will make this lib visible to all your projects. The project (also known as local) library table only adds it to the current project.

Date:	10-06-2020	Name:	Prajwal Kamagethi Chakravarti P L
Course:	MySQL	USN:	4AL17EC073
Topic:	My SQL JOINS PHP Errors and Security Building A Template Page	Semester &Section:	6 th & B
GitHub repository	https://www.github.com/alvas-education-foundation/Prajwal-Kamagethi.git		

AFTERNOON SESSION DETAILS

Image of session

81. MySQL Join Types - Examples

INFINITE SKILLS
TMIT Training Resources
for courses authored by TMIT

php and MySQL

- Introduction
- Getting Started
- MySQL & php together
- Echo to a Browser
- Two Page Model
- One Page Model
- Joins & Nests
 - SQL Join Types
 - JOIN
 - LEFT JOIN
 - Nested Lists
 - Nested Processing
 - CSS
 - Functions
 - Included Files
 - Review & Quiz
 - Exercises
 - Exceptions and Security
 - Templates
 - Navigation

SQL Join Types

- MySQL - an RDBMS using SQL
- SQL - Structured Query Language - a language to manage an RDBMS
- implemented in MySQL as:
 - JOIN (INNER JOIN)
 - LEFT (or RIGHT) (OUTER) JOIN
- Other MySQL variations
 - see: <http://dev.mysql.com/doc/refman/5.0/en/join.html>

Recall that my ascii well is a relational database management system using as L which is itself a language

85. Styling Out

Company List

ID	Company	Address	Town	County	Postcode	COUNTRY
7	Extravaganza	Superheros Road		Neverland		Fairy Kingdom
2	TMIT	42 Lily Close	Bicester	Oxon	OX26 3EJ	UK
6	Fish	Cod Row	Billingsgate	London	E14	England
5	The Really Great Car	Pickle Ave.	Douglas	IOM	IM99	UK
8	Baggins Bags	Bag End	Hobiton	Gwynedd		Middle Earth
1	The Pie Company	Fen Street	Norwich	Norfolk		UK
4	Burger Jack	King Lane	NY	NY	NY777	USA
3	La Monde Reale	Rue De LAu	Paris			France
9	The Quiche Co	Quiche Trading Estate, 99 Fleet Street	Quicheville	Quicheshire	QU99 9PP	United Kingdom

^ click ID to edit record

[Quit - to homepage](#)

a link on the side to go to the company people edit script.

Report –

My SQL joins:

- A relational database consists of multiple related tables linking together using common columns which are known as foreign key columns. Because of this, data in each table is incomplete from the business perspective.

- A join is a method of linking data between one (self-join) or more tables based on values of the common column between the tables.

- MySQL supports the following types of joins:

- 1.Inner join
- 2.Left join
- 3.Right join
- 4.Cross join

- To join tables, you use the cross join, inner join, left join, or right join clause for the corresponding type of join. The join clause is used in the SELECT statement appeared after the FROM clause.

Php errors and security:

- A PHP application might produce many different levels of warning and errors during its execution. Being able to see these errors is essential for developers trying to troubleshoot a misbehaving application.

- However, developers often have trouble when trying to display errors from their PHP applications. Instead, their apps just fail silently.

- If adding some of the PHP code errors doesn't show in the browser during testing, then PHP ini configuration has some additional directives to handle this.

`DISPLAY_ERROR=ON`

- The `display_errors` directive must be set to "on" in the PHP ini file. This will display all the errors including syntax or parse errors that cannot be displayed by just calling the `ini_set` function in the PHP code.

- The PHP ini file can be found in the displayed output of `phpinfo()` function and is labelled loaded configuration file. This directive in the ini configuration must be set to off, if the web application is in production.

Building a template page:

- The standard template is usually the aptly named `page.php`. Unless there is a more template file available WordPress will use `page.php` to render the content of all pages on your website.

- However, in many cases it might be necessary to change the design, look, feel or functionality of individual parts of your website. This is where page templates come into play. Customized page templates allow you to individualize any part of your WordPress site without affecting the rest of it.

- You might have already seen this at work. For example, many WordPress themes today

come with an option to change your page to full width, add a second sidebar or switch the sidebar's location. If that is the case for yours, it was probably done through template files. There are several ways to accomplish this and we'll go over them later.

- First, however, a word of caution: since working with templates involves editing and changing files in your active theme, it's always a good idea to go with a child theme when making these kinds of customizations. That way you don't run the danger of having your changes overwritten when your parent theme gets updated.