

Date:- 10/6/20

Topic:- PCB design using KiCad

Topic:- Mounting holes, creating library

Name:- Harshitha.T

USN:- 4AL7EC106

Sem & Sec:- 6<sup>th</sup> B

- \* 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 interferences with standardization is imperial unit ~~AND~~ ASNI hardware and ISO metric hardware.
- \* The supported mounting hole usually gets tied to the GND plane without a Thermal Relief and the supported hole w/ vias gets both the main hole and the via tied to the GND plane.
- \* The Create a library:-  
The library name should be unique within the chosen library table. It should also communicate what foot prints to expect within it to your target audience.
- \* This means the most sharable name will only contain ~~at~~ ~~your~~ letters, numbers, underline and library you ~~will need to add~~ ~~menus~~.
- \* Create a PCB foot print:-  
There are 4 steps for creating foot print in Altium
  - i) Create the pads
  - ii) Define components height and area

3) Add silk screen information

4) Save the footprint.

Let's step through the process to see how easy it can be  
create your component footprints

\* Here how to create your footprint in Altium Designer  
in 4 easy steps:-

- procedures to create the pads
- procedures to define component
- procedures to add silk screen
- procedures to save the footprint.



Date:- 10/6/20

Course:- Mysql

Topic:- Hiding a sensitive data, php  
echo and quotes

Name:- Harshittha.T

USN:- UALITEC106

Sem & set:- 6th B.

Hiding a sensitive data

- \* If we thought of installation of mysql, we should consider a wide range of possible procedures or best practices and how they affect the ~~sec~~ security of your ~~my~~ Mysql server and related applications
- \* Mysql provides many tools / features / plugins in order to protect your data including some advanced features like transport Data Encryption aka TDE, Audit, Data Masking etc.
- PHP double quotes v/s single quotes
- \* Strings in PHP can be specified in four different ways single quoted, double quoted, heredoc syntax and now doc syntax, the first two of them being by far the most frequently used.
- \* PHP's print f() function.  
~~def~~ The print f() function writes a formatted string to a variable.  
Syntax: print f (format, arg 1, arg 2, arg++)

## \* Introduction to User defined Variables:-

mysql supports user defined variable to have some data that can be used later part of query.