

Date:- 9/6/20.

Course:- PCB design & KiCad

Topic:- Start a new project

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Sem & Sec:- 6th B

* Start KiCad, then click on file menu item & select new project

i) Start KiCad & create a new project.

Create new directory named NRF24-breakout

ii) Create a new directory to hold the project files

Click on the save button to finish the procedure

iii) Your new project.

Create a new project in KiCad to create the schematic with Eeschema. In Editor we click on the first button from the left

iv). Start Eeschema

v) The blank canvas in Eeschema.

Used for planning, which allows you to move around the canvas by clicking its left button while the command key ~~is~~ is on hold.

vi) The hotkeys list

vi) Useful buttons on the left tool bar.

~~* End~~

Foot prints placement:-

→ Our project is now at the stage where two footprints that compose our PCB are spread out in the PCBnew Canvas.

* Silk Screen & copper pour: was also learnt.

Its used in outline and text are drawn on the copper layer, they are electrically conductive.

Date:- 9/6/20
Course:- MySQL

Topic:- Connecting to mysql & to
DB creating.

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* Connecting to mysql & to DB

```
$hostname = "local host";
```

```
$username = "root";
```

```
$password = "";
```

```
$database name = "alpha.com"
```

```
$db connect = mysql -connect ($hostname, $username,  
$password)
```

```
$db selected = mysql -select -db ($database name,  
$db connected)
```

* Create MySQL database and users.

→ log in MySQL as the root user

→ password & enter

→ create database user & replace the user name
and password

→ Type !q to exit the mysql program

→ to re login command are used which was done
in step 3

→ To work with new database command is followed

→ We ~~sh~~ can work with database, so we should
create a basic table. ~~named~~

* Create tables using MySQL.

There are two main ways of creating table in MySQL

- Executing a query that includes a CREATE TABLE statement
- Using the corresponding functionality of MySQL related tools and IDEs.

* Inserting a data in MySQL

Syntax :-

INSERT INTO table-name (field1, field2 --- field N)

VALUES (value1, value2 --- valueN)

or,