

09/06/2020

① KiCad . Printed Circuit Board Design

→ Start a new project.

File - New - Blank project → Dropbox → Filename

→ First in directory → Give a name as switch.pcb


→ Project as name.

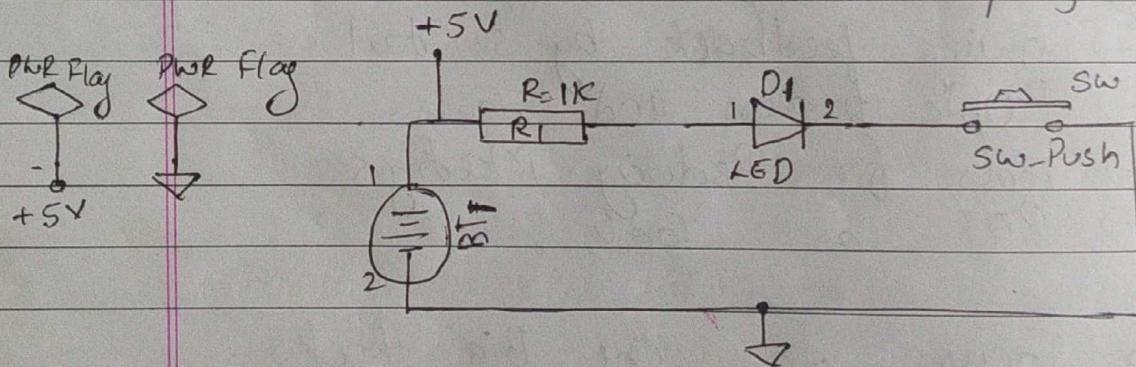
→ Lets start creating schematic file.

Then again go to file then there save whole schematic project then it is saved.

We can take the component list in device library we get commonly used sources or devices.

Rk for rotating a device, or to place the component press A. click? so we will get to know the short key.

Preference → To change the short key name and  can save the preference.



→ To give the value press ~~Annotate~~ the component value or double click on component. To can Annotate to get the values like R₁, B₁, D₁ etc then save the file then test the error.

Hence voltage and ground cannot be connected different so PWR.Flag has to placed. again save after all changes.

• Netlist and footprint association and placing PCB

The wires connecting the devices are called Netlist.

PCB new to create a PCB board we can also use ORCAD or some other software.

We should have of each footprint of each component.

Open PCBnew to get the components. go to .net then Read current net list, Here all the components are compressed. To move or spread right click and select move.

To delete the netlist we can clean the netlist.

To create a board outline select Edge cuts and then select Add graphic lines.

After having a outline, the green line drawn are drawn on the button but not connected so delete the wires. Again go to B.Cu (Pg down) delete it and select F.Cu (Pg Up). so here red netlist to appear.

• Silk screen - copper pour:

→ We don't the (1K) to be printed on silk so delete it or invisible it. The name printed on the silk screen can be made invisible.

Afternoon session:

Date: 9th June.

Name: Akshatha.Y.E

Course: Java.

USN: 4AL18EC005

Topic: Introduction & Installation.

Sem & Sec: IV Sem & A sec

Github Repository: Akshatha.

→ Java SE Runtime Environment 7 downloads.

→ What Java is and How it works.

Java is a biggest Machine programming language.

→ Package: com.Caveofprogramming.android.mapsquixel;

⊕ import java.util.List;

public class LocationDetailAdapter extends BaseAdapter {

private context context;

private List<LocationDetail> locs;

public LocationDetailAdapter(context context, List

<LocationDetail> locs;

public LocationDetailAdapter(context context, List

<LocationDetail> locs {

this.context = context;

this.locs = locs;

}

public int getCount() {

return locs.size();

}

public Object getItem(int position) {

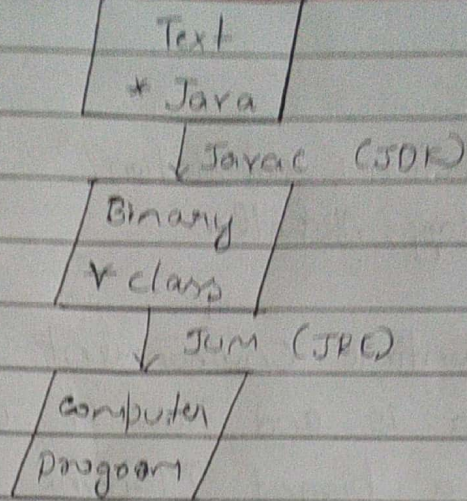
return locs.get(position);

}

public long getItemId(int position) {

return locs.get(position).getId();

}



Getting a job and what to study after completing basic Java.

How to get the most out of this course

Basic Java programming test.