

PCB design:

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- * components, like resistor & integrated circuit.
- * wires that connect the components.
- * a board made of fibre glass or similar material.
- * graphics like text or drawing printed on the board
- * holes, large & small.

The user interface:

purpose: The objective is to become familiar with its user interface & the functionality that is absolutely necessary for our very simple future project.

- * To start pcbnew, we need to go back in the KiCad main application & click on the button.
- * pcbnew will start & we will see the main window
- * compared to exschema, pcbnew may seem more complex & even intimidating, but not at all.
- * similarity to exschema, in pcbnew we design our PCB inside the sheet also.
- * we can also load an exschema custom layout.

Java

* ToString method: The method is used to get a String object representing the value of the number object.

* Inheritance: It's in Java is a mechanism in which one object acquires all the properties & behaviors.

* Package: It's a group of similar types of class, interface, annotation & sub-packages.

* Interface another way to achieve abstraction in Java, it with interface.

An interface is a completely "abstract class" that is used to group related methods.

* public, private, protected it means you can access the anywhere while private means you can only pass more than one is - A test is considered.

* Encapsulation & the API docs.

* casting numerical values

* upcasting & downcasting.

* using generic.