Date: 11/6/2020   Name: Sneha G

Course: PCB Design   USN: MALI8ECO50

Topic: A hands on tour of KiCad
with a simple project

Report:

- Components, like resistors & integrated circuits
- Wires, that connect the components
- A board made of fibre glass or similar material
- Graphics, like test or drawings, printed on the board
- Holes, large or small

The user Interface:

Pcbnew: The objective is to become familiar with its user interface & the functionality that is absolutely necessary for our very simple first project
- To start Pcbnew, we need to go back to the KiCad main application, & click on the button
- Pcbnew will start, & we will see the main window
- Compared to Eeschema, Pcbnew may seem more complex & even intimidating, but rest assured
- Similarly to Eeschema, in Pcbnew we design our PCB inside the sheet area
- We can also load an existing custom layout

Date: 11/06/2020   Name: Sneha.G
Course: JAVA   USN: UALI8ECOS0

Report:

- The to String Method: The method is used to get a String object representing the value of the number obje
- Inheritance: It is in Java is a mechanism in which one object acquires all the properties & behaviours
- Packages: It is a group of similar types of classes, interfaces & sub-packages
- Interfaces: Another way to achieve abstraction in JAVA, is with interfaces.
  An interface is a completely " abstract class" that is used to group related methods.
- Public, Private, Protected: It means you can access it anywhere while private means you can only access it
- Polymorphism: Any JAVA object that can pass more than one IS-A test is considered
- Encapsulation & the API Docs.
- Casting numerical values
- Upcasting & Downcasting
- Using Generics.