DAILY ASSESSMENT FORMAT

Date:	08/06/2020	Name:	Nichenametla Bhargavi
Course:	PCB design	USN:	4AL17EC061
Topic:	Introduction	Semester & Section:	6th Sem A sec
Github Repository:	Bhargavi_Nichenametla		

FORENOON SESSION DETAILS

Image of session
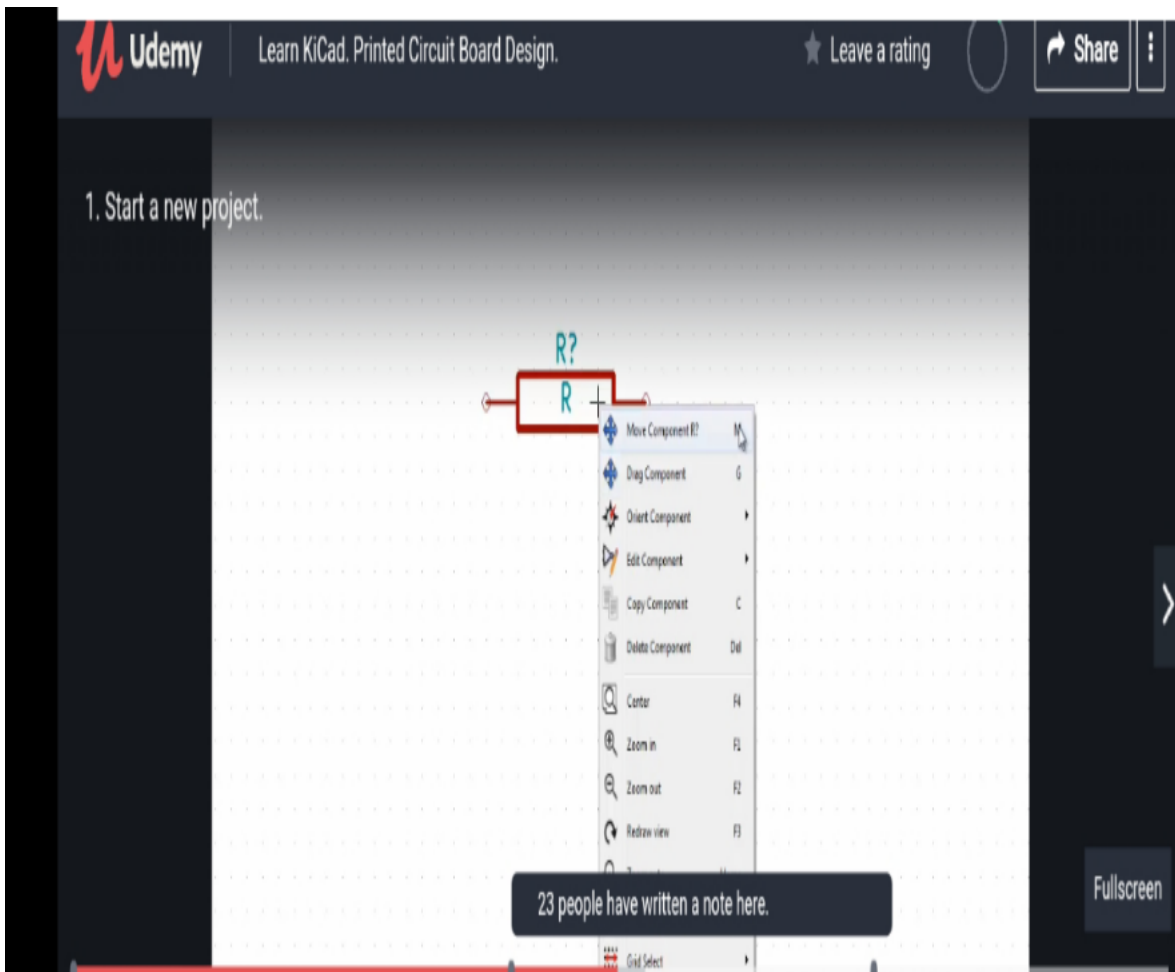
Report – Report can be typed or hand written for up to two pages.

What is Kicad ?

* KiCad is a free software suite for electronic design automation.

* It facilitates the design of schematics for electronic circuits and their conversion to PCB designs.

* KiCad was originally developed by Jean-Pierre Charras.

* It features an integrated environment for schematic capture and PCB layout design.
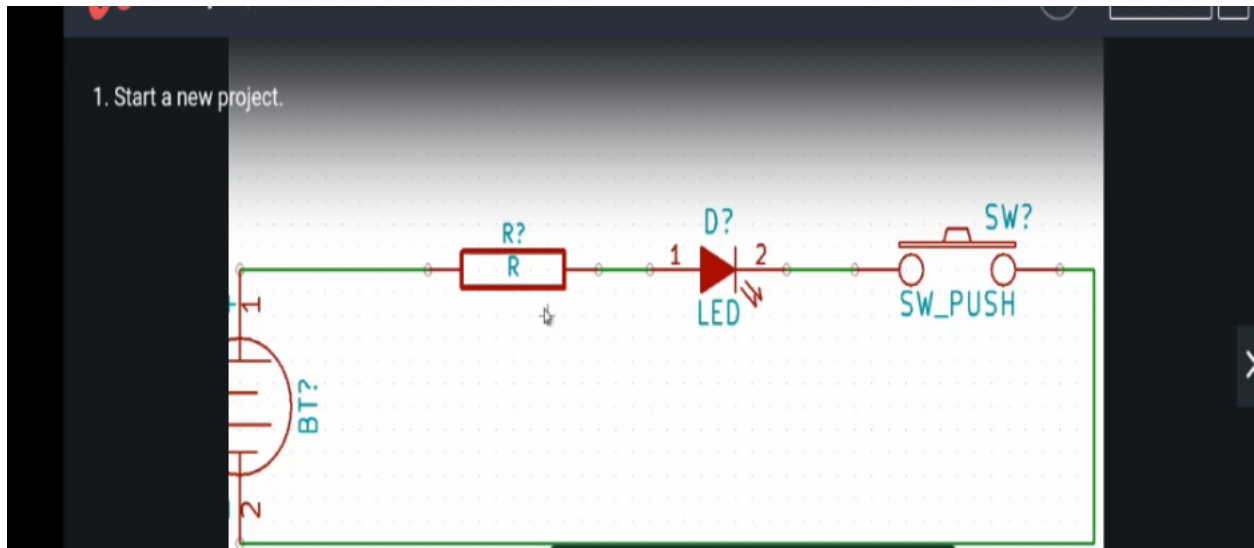
Setting Up a Project:

- ** *.pro** - Main project file to keep track of the file structure.

- ** *.cmp** - Defines which footprints go with which schematic components.

- ** *.kicad_pcb** - The PCB layout.

- ** *.sch** - The schematic.

Editing the Schematic:

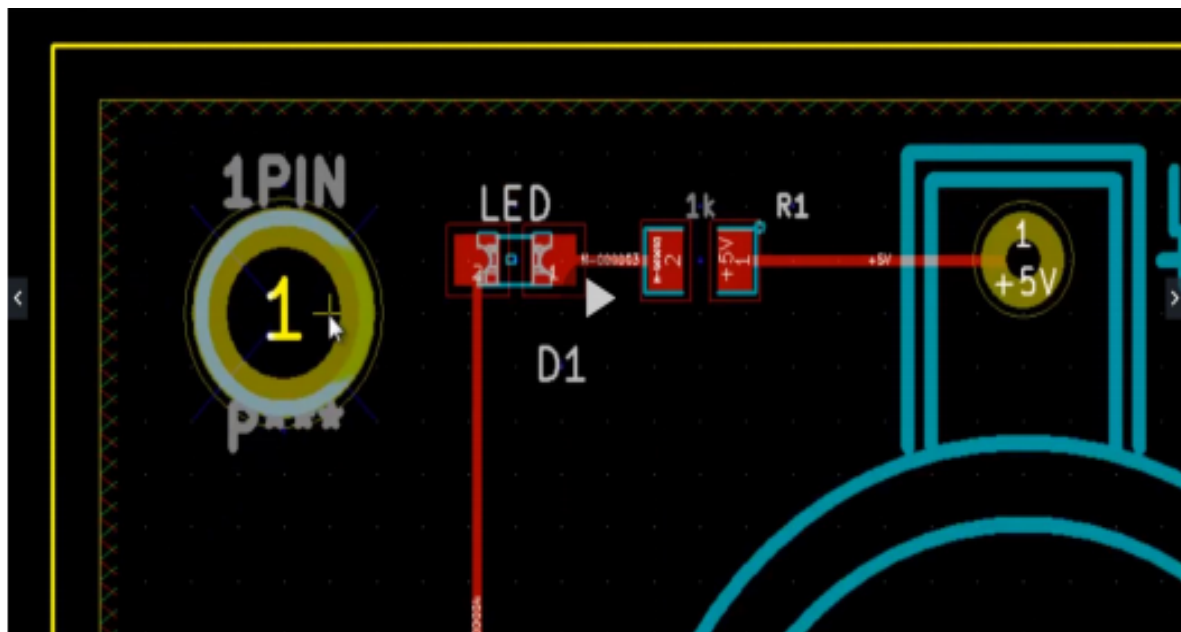- a - To add components.

- c - Copy a component when the cursor is over another component.

- w - To wire components.

- v - Edit component value.

- Esc - Escape mode or whatever command in progress and return to normal pointer mode.

- ** ctrl+z** - Undo. Use liberally to undo any mistakes.

- ctrl+s - To save. Make sure to save often!

How to Start a New Project Using KICAD:

Example of Basic switch and LED

Netlist and Footprint of Schematic:

Date:	08/06/2020	Name:	Nichenametla Bhargavi
Course:	Java	USN:	4AL17EC061
Topic:	1. Hello wolrd Program	Semester & Section:	6th Sem A sec
	2. Using Variables		
	3. Strings: Working with Text		
	4. While Loops		
	5. For Loops		
	6. Getting User Input		
	7. Do.... While		
	8. Switch		
	9. Arrays		
Github Repository:	Bhargavi_Nichenametla		

AFTERNOON SESSION DETAILS

Image of session
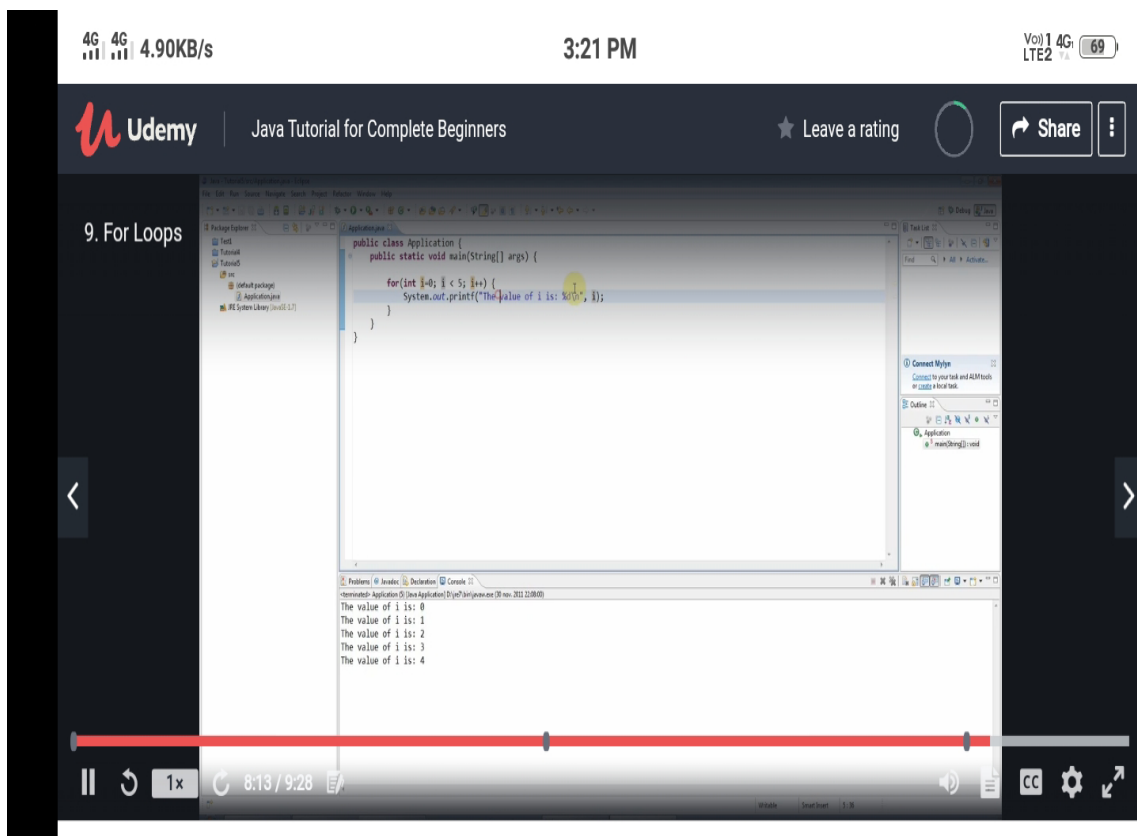
Report – Report can be typed or hand written for up to two pages.

• Learnt how to write "A Hello World" Program in Java Eclipse.
• Learnt how to make use of Variables.
• Learnt about Strings and the Working With Text
• Got familiarized with "While Loops" in Java.
• Got to know about "For Loops" in Java
• Learnt the "If" conditional statement usage in Java programing.
• Learnt how to get User Input from the user.
• Came across "Do ... While loop" in Java.
• Saw "Switch" statements and its working.
• Got introduced to the "Arrays" in Java.

Here is the example program in Java using Arrays:

```java
public class App {

    public static void main(String[] args) {

        int value = 7;

        int[ ] values;

        values = new int[3];


        System.out.println(values[0]);


        values[0] = 10;

        values[1] = 20;

        values[2] = 30;


        System.out.println(values[0]);

        System.out.println(values[1]);

        System.out.println(values[2]);


        for(int i=0; i < values.length; i++) {

            System.out.println(values[i]);

        }
```

```java
        int[] numbers = {5, 6, 7};


    for(int i=0; i < numbers.length; i++) {

        System.out.println(numbers[i]);

    }

  }


}
```
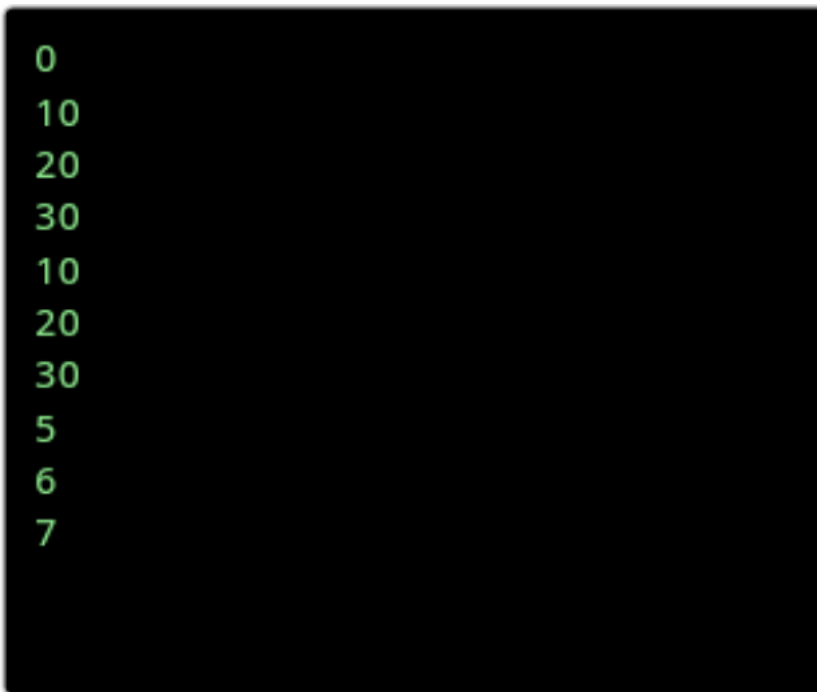
The Output for the above program looks :

```
0
10
20
30
10
20
30
5
6
7
```