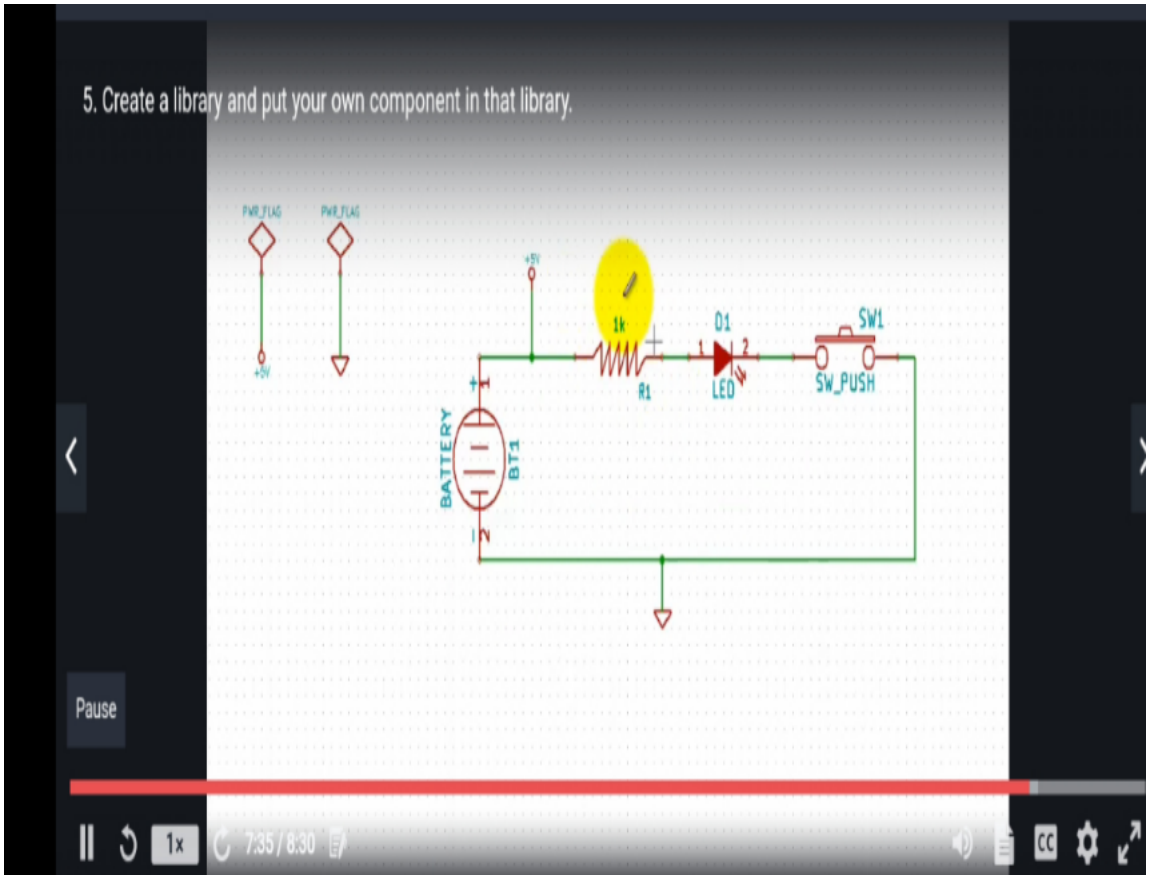
DAILY ASSESSMENT FORMAT

Date:	11/06/2020	Name:	Nichenametla Bhargavi
Course:	PCB Design	USN:	4AL17EC061
Topic:	1. Create a library and put your own component in that library. 2. Create PCB footprint component.	Semester & Section:	6th Sem A sec
Github Repository:	alvas-education-foundation/Bhargavi_Nichenametla		

FORENOON SESSION DETAILS
Image of session



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

Create a library and put your Own Component:

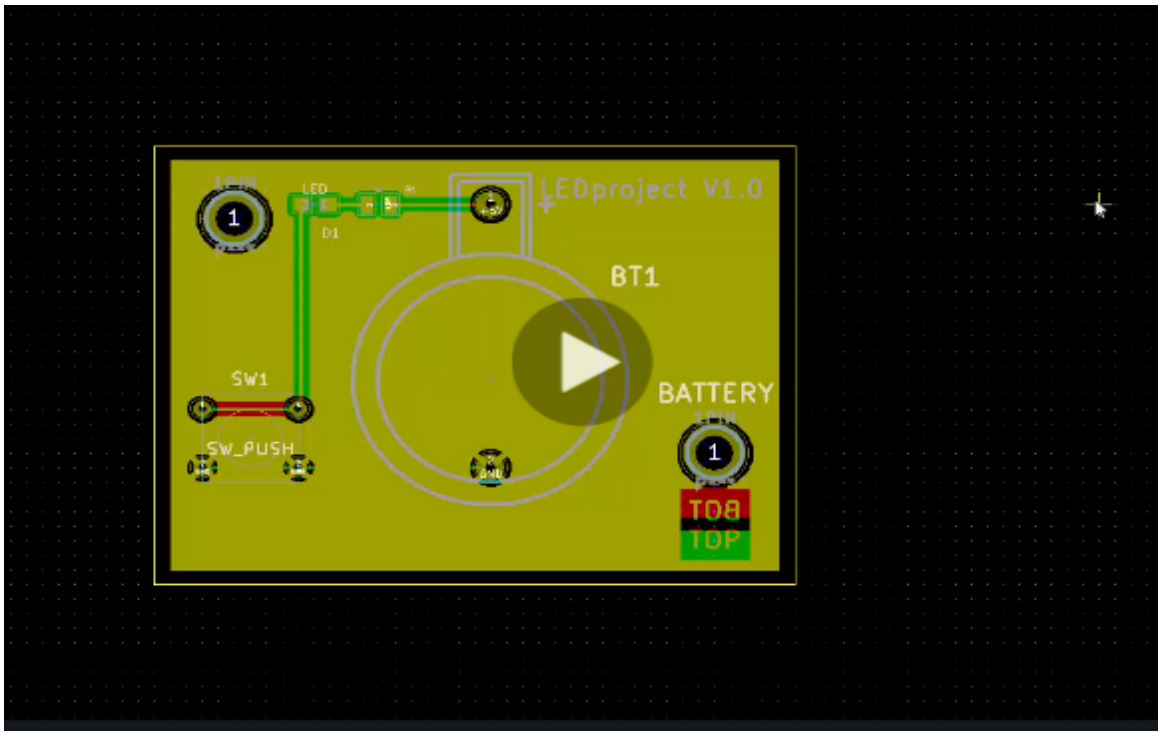
The following steps are to be followed in order to Create a library and put your own component in that library:

1. Go to Library Editor
2. Select Library Folder
3. Select device Library
4. Select Load components icon in order to load the components into the design
5. Select Component and Save it

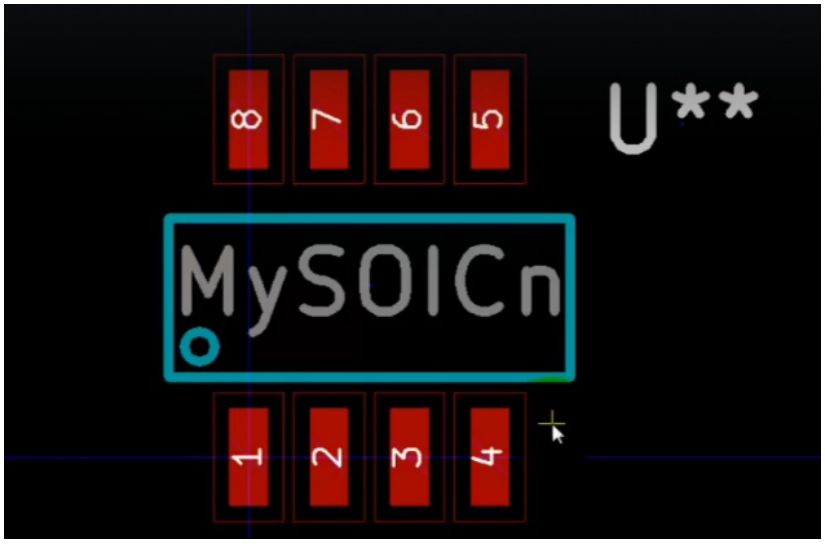
Then the library is created and you can view it.

Create a PCB FootPrint:

1. Open Module Editor Window to create a new Footprint
2. Select Active Library, since there is no saved Library in this window
3. Now, Select Newmodule and Name it
4. Now, Create a New PCB footprint according to the specifications of the customer.



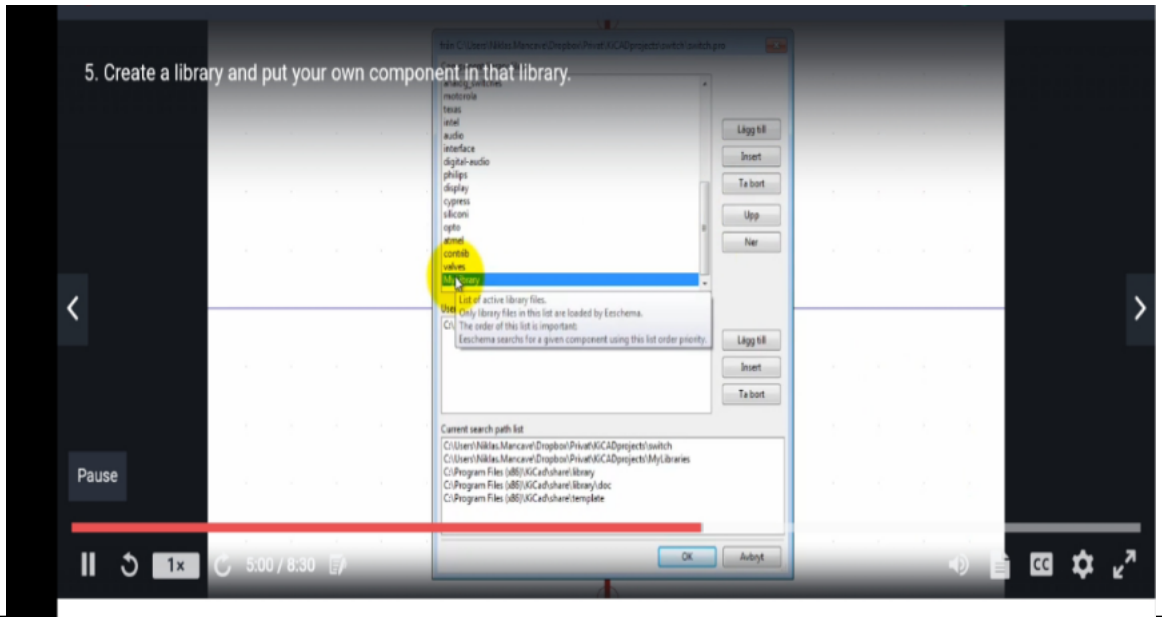
PCB Footprint Component :



Date:	11/06/2020	Name:	Nichenametla Bhargavi
Course:	Java	USN:	4AL17EC061
Topic:	Strings, Inheritance, Using Generics	Semester & Section:	6th Sem A sec

AFTERNOON SESSION DETAILS

Image of session



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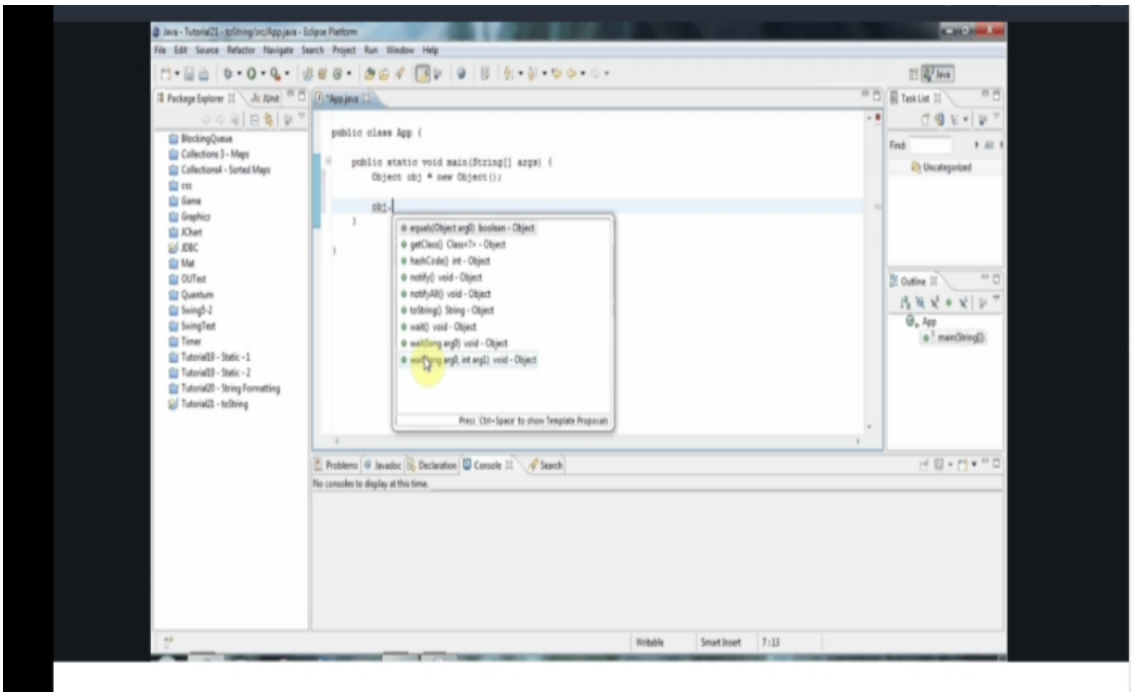
Programming in Core Java:

1. Learnt about "The toString Method"
2. Came across "Interfaces"
3. Discussed about different types of "Packages"
4. Clearly learnt about "Inheritance"
5. Public, Private, Protected types are discussed.
6. Came across Polymorphism
7. Learnt about Encapsulation and the API Docs
8. Casting of Numerical Values
9. Upcasting and Downcasting
10. Using Generics and different types are discussed



Example:

```
public class App {
    public static void main(String[] args) {

        byte byteValue = 20;
        short shortValue = 55;
        int intValue = 888;
        long longValue = 23355;

        float floatValue = 8834.8f;
        float floatValue2 = (float)99.3;
        double doubleValue = 32.4;

        System.out.println(Byte.MAX_VALUE);

        intValue = (int)longValue;

        System.out.println(intValue);

        doubleValue = intValue;
        System.out.println(doubleValue);

        intValue = (int)floatValue;
        System.out.println(intValue);



        // The following won't work as we expect it to!!
        // 128 is too big for a byte.
```

```
        byteValue = (byte)128;
        System.out.println(byteValue);


    }

}
```