

DAILY ASSESSMENT FORMAT

Date:	12/06/2020	Name:	Akshatha M Deshpande
Course:	KiCad	USN:	4AL17EC006
Topic:	Create a library and put your own component in that library. Create PCB footprint component.	Semester & Section:	6th Sem A sec
Github Repository:	AkshathaDeshpande		

FORENOON SESSION DETAILS

Image of session

The screenshot shows a Udemy lecture interface. The main video player displays a file explorer window with a large play button in the center. The file explorer shows a directory structure with 'My libraries' highlighted. A subtitle at the bottom of the video reads: "So add and then we go into the dropbox private had my libraries." The video player controls at the bottom show a progress bar at 4:33 / 8:30. On the right side, the 'Course content' list is visible, showing 6 items. The first 4 items are checked, and the last 2 are unchecked.

Course content

- ☒ 1. Start a new project. 18min
- ☒ 2. Netlist and footprint association and placing PCB items. 16min
- ☒ 3. Silk-screen and copper pour. 9min
- ☒ 4. Mounting holes. 4min
- ☐ 5. Create a library and put your own component in that library. 9min
- ☐ 6. Create PCB footprint component.

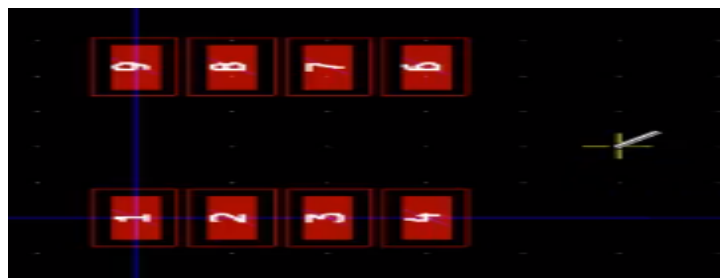
Report – Report can be typed or hand written for up to two pages.

Create a library and put your own component in that library:

- There will be many inbuilt libraries in the kiCad which we cannot delete.
- But we can modify those components as per our requirement.
- Thus creates a new component but we cannot store in this in the library where there are inbuilt components.
- So we have to create a new library to store this component. That is in our computer just create a folder.
- After modifying the component just save it in the library which we have created and the component is ready to use in the design.

Create PCB footprint component:

- In order to create a new foot print the module window is opened.
- A new module is selected and that is named.
- And a new pcb footprint is created as shown below

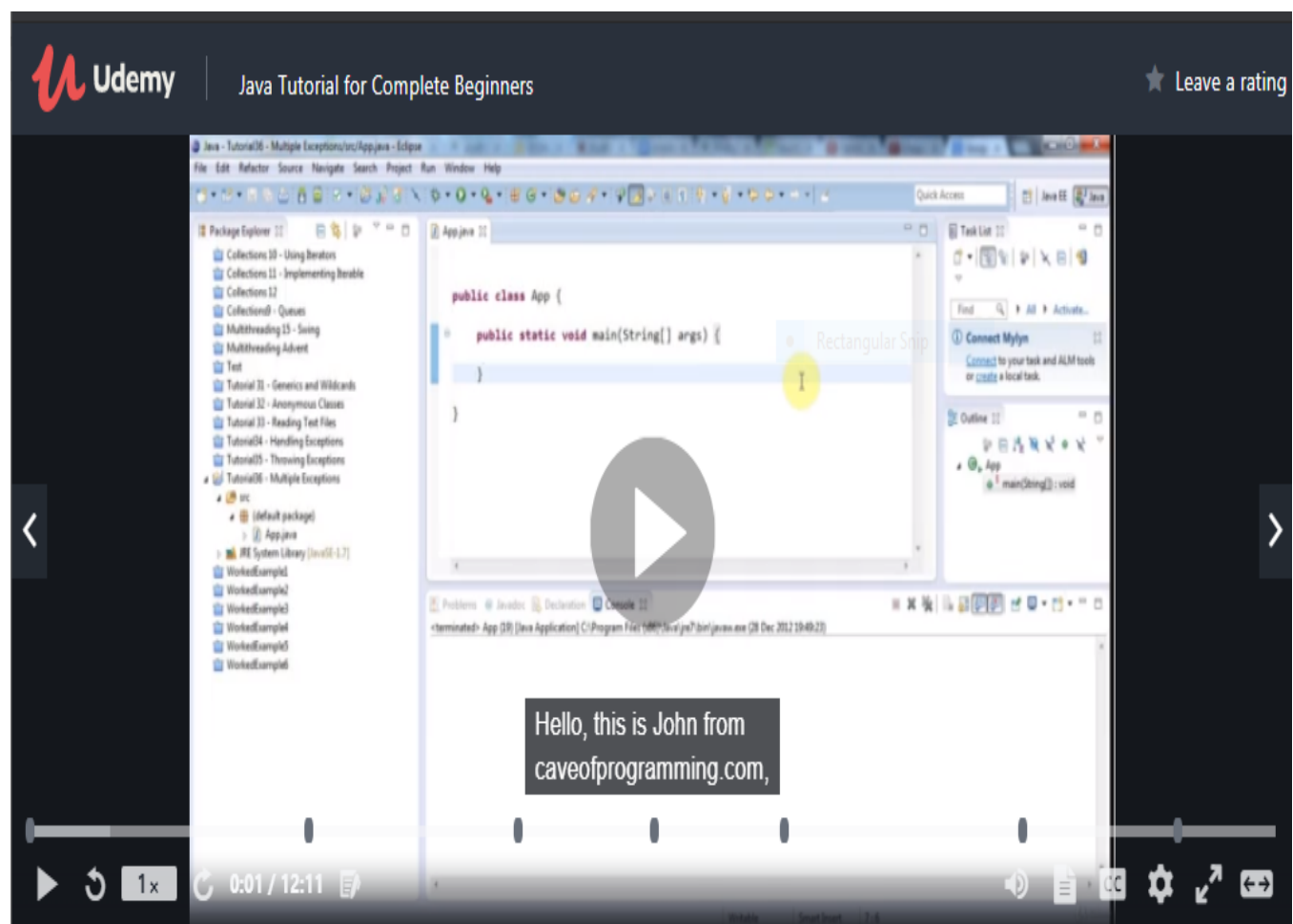


Date: 12/06/2020
Course: Java
Topic: Programming

Name: Akshatha M Deshpande
USN: 4AL17EC006
Semester & Section: 6th Sem A sec

AFTERNOON SESSION DETAILS

Image of session



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

Programming Core Java:

- Generics and Wildcards
- Anonymous Classes
- Reading Files Using Scanner
- Handling Exceptions
- Multiple Exceptions
- Runtime vs. Checked Exceptions
- Abstract Classes
- Reading Files With File Reader
- Try-With-Resources

Anonymous class:

```
        public void grow();
    }

    public class App {

        public static void main(String[] args) {

            Machine machine1 = new Machine() {
                @Override public void start() {
                    System.out.println("Camera snapping ....");
                }
            };

            machine1.start();

            Plant plant1 = new Plant() {
                @Override
                public void grow() {
                    System.out.println("Plant growing");
                }
            };

            plant1.grow();
        }
    }
```



Abstract class:

```
public abstract class Machine {  
    private int id;  
  
    public int getId() {  
        return id;  
    }  
  
    public void setId(int id) {  
        this.id = id;  
    }  
  
    public abstract void start();  
    public abstract void doStuff();  
    public abstract void shutdown();  
  
    public void run() {  
        start();  
        doStuff();  
        shutdown();  
    }  
}
```