

DAILY ASSESSMENT FORMAT

Date:	10 JUNE 2020	Name:	HARSHITHA H
Course:	Learn kiCad, Printed circuit board design	USN:	4AL18EC020
Topic:	Up and running	Semester & Section:	IV SEM & A SECTION
Github Repository:	harshithah		

FORENOON SESSION DETAILS

Image of session

The image displays three sequential screenshots from a Udemy video player, illustrating the initial steps of a KiCad PCB design session. Each screenshot shows the 'Learn KiCad, Printed Circuit Board Design' course interface, including the course title, progress bar, and a sidebar with the course content.

First Screenshot: The 'General Settings' dialog box is open, showing options for coordinates (Rectangular/Polar), units (Inches/Millimeters), and various design rules. The 'Rectangular' option is selected for coordinates, and 'Inches' is selected for units.

Second Screenshot: The 'Select Component' dialog box is open, showing a list of components. The 'RESISTOR' component is highlighted, indicating it is being added to the design.

Third Screenshot: The main PCB design workspace is shown, displaying a resistor component placed on the board. The workspace includes a grid and various design tools.

The course content sidebar on the right of each screenshot lists the following items for 'Section 1: Up and running.':

- 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. (12min)
- 7. Add Footprint search path. (2min)

Report –

Learn KiCad , printed circuit board design

TOPICS COVERED:



Up and running:

- Mounting holes
- Create library and put own component in that library
- Create PCB footprint component

Date: 10 JUNE 2020	Name: HARSHITHA H
Course: JAVA	USN: 4AL18EC020
Topic: Programming core JAVA	Semester & Section: IV SEM & A SECTION

AFTERNOON SESSION DETAILS

Image of session

The image displays three sequential screenshots of the UDEMY course page for 'Java Tutorial for Complete Beginners'. Each screenshot shows a different lecture overview with code snippets and a course content sidebar.

Screenshot 1 (Top): Lecture 40: Runtime vs. Checked Exceptions (9min). The code snippet shows a simple main method:

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

Screenshot 2 (Middle): Lecture 44: Creating and Writing Text Files (6min). The code snippet shows file creation and writing:

```
public static void main(String[] args) {
    File file = new File("test.txt");
    BufferedWriter bw = null;
    try {
        bw = new BufferedWriter(new FileWriter(file));
        bw.write("Hello World");
    } catch (IOException e) {
        e.printStackTrace();
    }
}
```

Screenshot 3 (Bottom): Lecture 49: Serialization: Saving Objects to Files (21min). The code snippet shows a Person class and its serialization:

```
public class Person {
    private int id;
    private String name;

    public Person(int id, String name) {
        this.id = id;
        this.name = name;
    }

    @Override
    public String toString() {
        return "Person (id=" + id + ", name=" + name + ")";
    }
}
```

JAVA

Programming core JAVA:

- Reading files using scanner
- Handling exceptions
- Multiple exceptions
- Runtime vs. checked exceptions
- Abstract classes
- Reading files with file reader
- Try-with-resources
- Creating and writing text files
- The equals method
- Inner classes
- Enum types: Basic and advanced usage
- Recursion: A user trick up your sleeve
- Serialization: Saving objects to files
- Serializing arrays
- The transient keyword and more serialization
- Passing by value