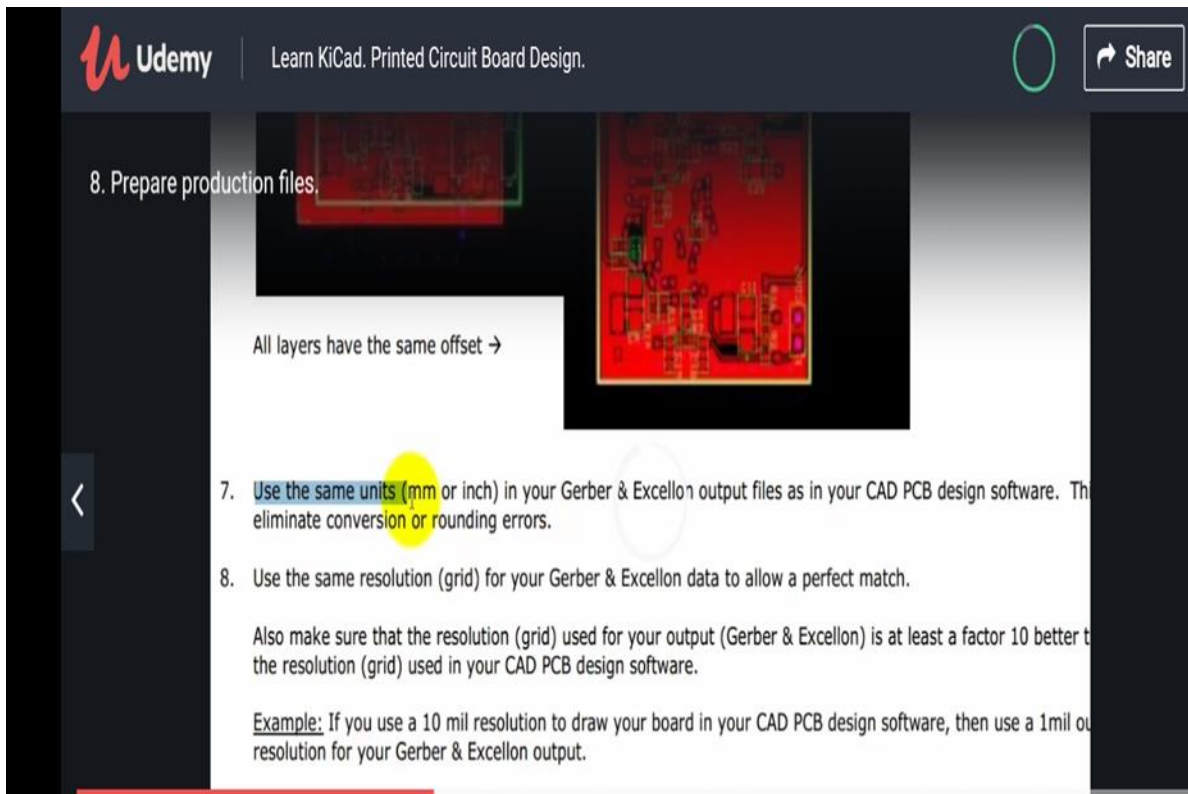


## DAILY ASSESSMENT

Date:	12-June-2020	Name:	Swastik R Gowda
Course:	Ki-Cad	USN:	4AL17EC091
Topic:	❖ Add Footprint search path ❖ Prepare production files	Semester & Section:	6 <sup>th</sup> Sem 'B' Sec
Github Repository:	swastik-gowda		

### FORENOON SESSION DETAILS

#### Image of session



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

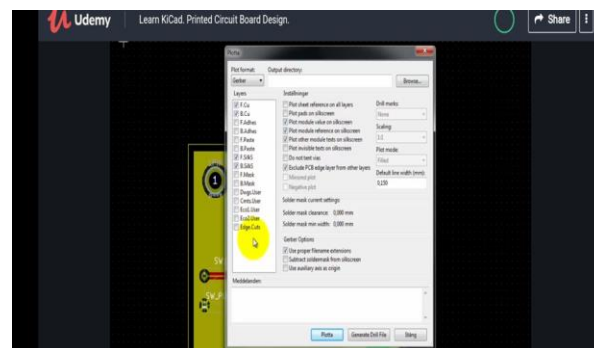
#### What is a Gerber file?

- ❖ The most widely used file format for PCB manufacturing is called Gerber. When
- ❖ Manufacturers request “Gerber’s” or “Gerber files,” they are referring to ASCII files which place copper, solder mask, or silkscreen.
- ❖ A Gerber file knows nothing about design rules, net connectivity, or component libraries; it is simply two-dimensional artwork that indicates where the manufacturing equipment.

- ❖ One Gerber file provides information for one PCB feature on one layer. Thus, if you have a two-layer board and each side has copper, solder mask, and silkscreen, you will need six Gerber files. You may also need a separate Gerber file to identify the board outline.
- ❖ Generating Gerber files can be somewhat complicated. The process involves various configuration details, and different manufacturers have different requirements.
- ❖ The following screen capture shows the options that you have to consider when generating Gerber files with DipTrac. If you don't have much experience with Gerber generation, I suggest the following approach:
- ❖ First, choose a manufacturer that provides specific instructions on how to generate Gerber files with specific CAD tools. Second, use one of these CAD tools to design your board.
- ❖ If you follow the instructions carefully, you will almost certainly avoid the two potential consequences of improper Gerber files: a delay in the manufacturing process (more likely), or a nonfunctional PCB (nowadays probably quite rare).

### The Drill file:

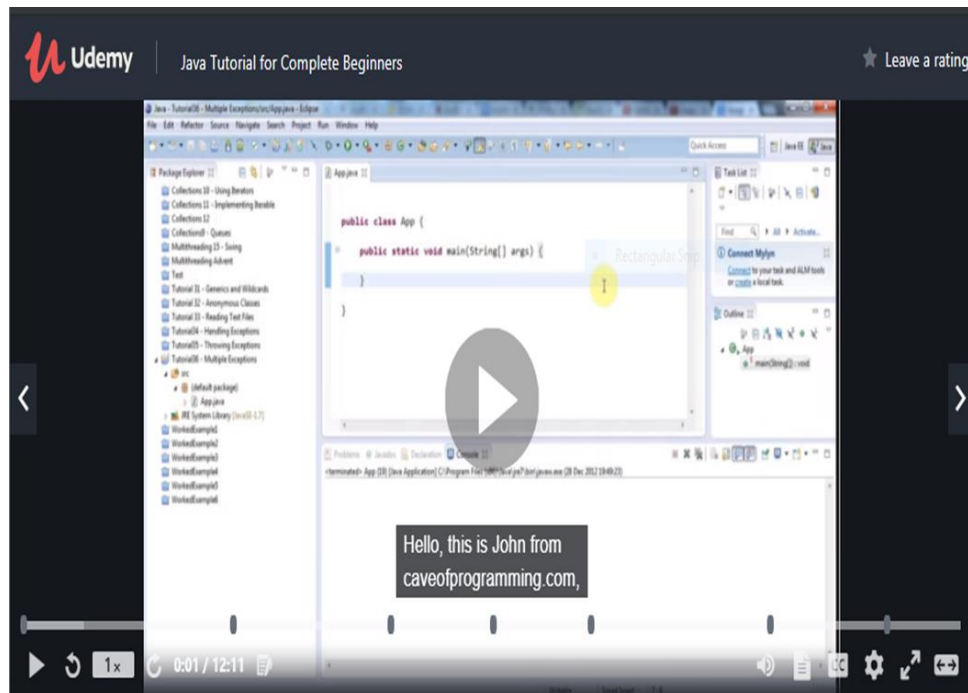
- ❖ You will also need to generate a file that indicates the position and size of every hole that will be drilled through your board, i.e., both through-holes and vias.
- ❖ This is called the NC (numeric control) drill file, you may also see “Exelon drill file”. Again, the safest approach here is to follow specific instructions provided by a PCB manufacture.



Date:	12-June-2020	Name:	Swastik R Gowda
Course:	Java	USN:	4AL17EC091
Topic:	Programming	Semester & Section:	6 <sup>th</sup> Sem 'B' 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();
    }
}
```

Date:	12-June-2020	Name:	Swastik R Gowda
Course:	Webinar by Cambridge	USN:	4AL17EC091
Topic:	Skills of work-Presentation	Semester & Section:	6 <sup>th</sup> Sem 'B' Sec

### AFTERNOON SESSION DETAILS

#### Image of session

The screenshot displays a webinar interface with the following elements:

- Logos:** Cambridge Assessment English, RECONNECT, Cambridge English Qualifications, and BEC Business.
- Content Header:** A central header labeled "Content".
- Content Categories:**
  - STORY:** Represented by a graphic with the text "Once upon A time".
  - VIDEO:** Represented by a red play button icon with the word "WATCH" below it.
  - PICTURE:** Represented by a graphic of a hand holding a Polaroid photo of a landscape.
  - CHARTS AND GRAPHS:** Represented by a 3D pie chart with a blue arrow pointing to it.
  - FACTS AND FIGURES:** Represented by a graphic with the word "facts" in a magnifying glass, surrounded by words like "untruths", "lies", "rumors", "fictions", "deceptions", and "hoaxes".
  - QUOTES:** Represented by a black card with white text: "THE GREATEST PLEASURE IN LIFE IS DOING WHAT PEOPLE SAY YOU CANNOT DO." and a small signature at the bottom.
- Participant Video:** A small video feed of a man wearing a headset is visible in the bottom right corner.