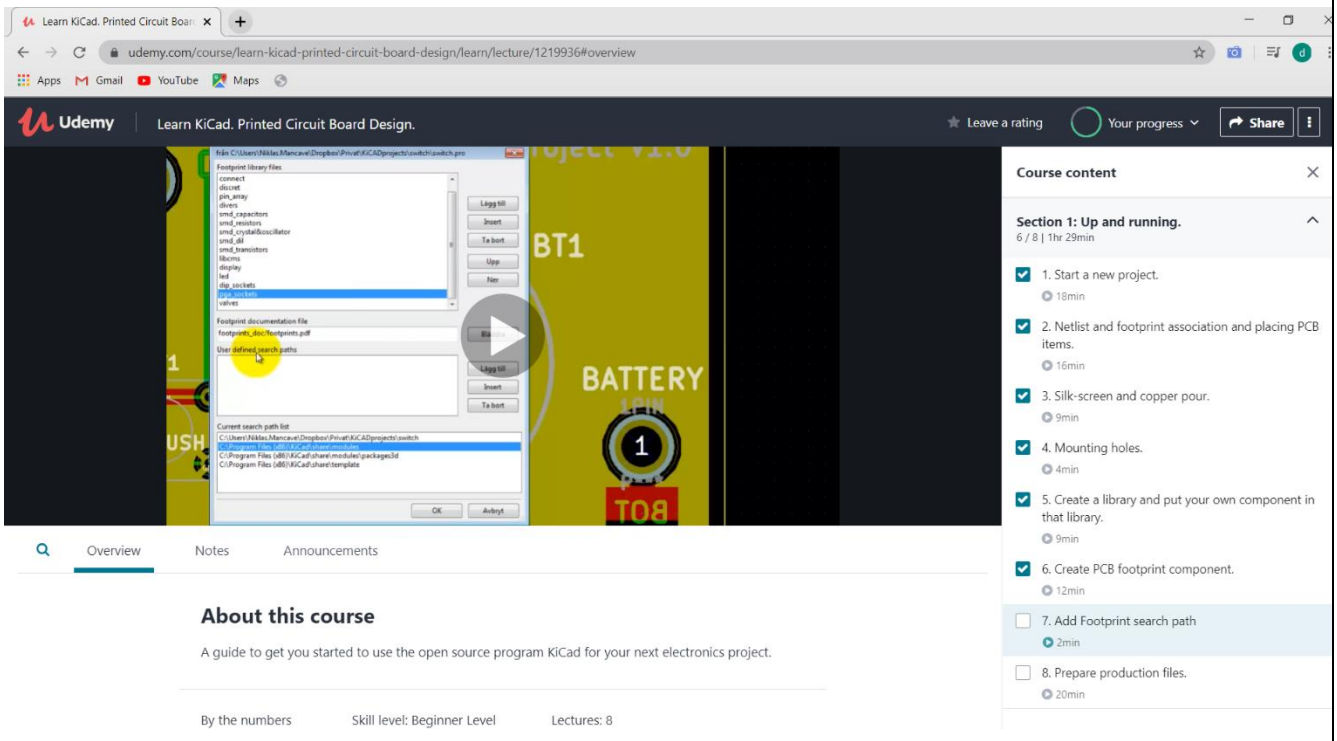
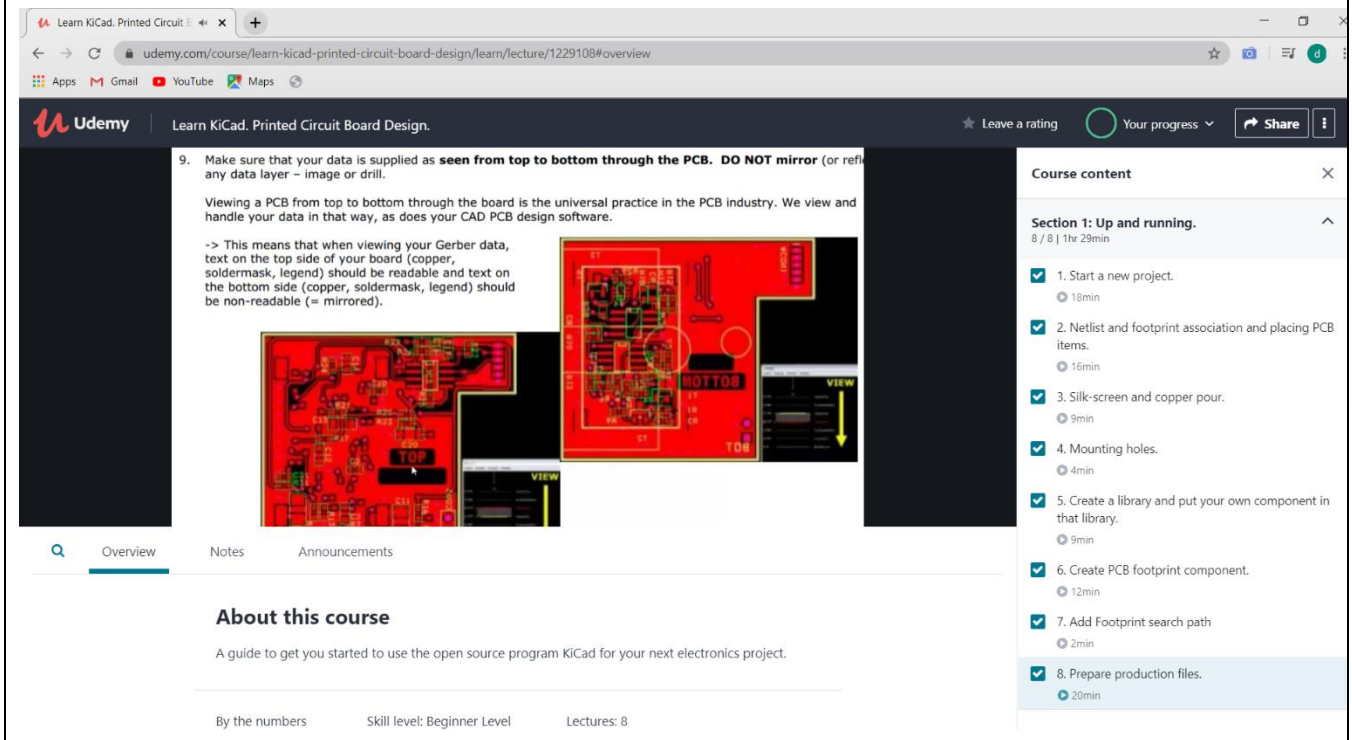
DAILY ASSESSMENT FORMAT

Date:	**12/06/2020**	**Name:**	**Yashaswini.R**
Course:	**PCB design using Kicad**	**USN:**	**4AL17EC98**
Topic:	**1. Add footprint search path** **2. Prepare production files**	**Semester & Section:**	**6th sem 'B' sec**
Github Repository:	**Yashaswini**		

FORENOON SESSION DETAILS

Image of session





Peel-off Mask Design Rule Specifications:

- Minimum width of any Peel-off element (P): 0.500mm (20mil)
- Maximum coverable hole ENDSIZE (H): 6.00mm (236mil)
- Minimum overlap on copper pattern (V): 0.600mm (24mil)
- Minimum clearance to free copper (W): 0.600mm (24mil)
- Minimum distance from PCB outline: 0.500mm (20mil)
- Tolerance on position: +/-0.300mm (12mil)

Clipping Rules:

- Legend clipping clearance is 0.100mm (4mil) back from the Soldermask openings.
- Any parts of line smaller than 0.100mm (4mil) will be removed.

Board Outline:

- Please always include the board outline in your legend layers output data as this helps avoid any potential misalignment, mirroring or rotation issues.

- This is best done using a small line – e.g. 0.500mm (20mil) wide – where the center of the line is the exact board outline.

- We will remove this line in the actual production data we use for manufacturing your boards.

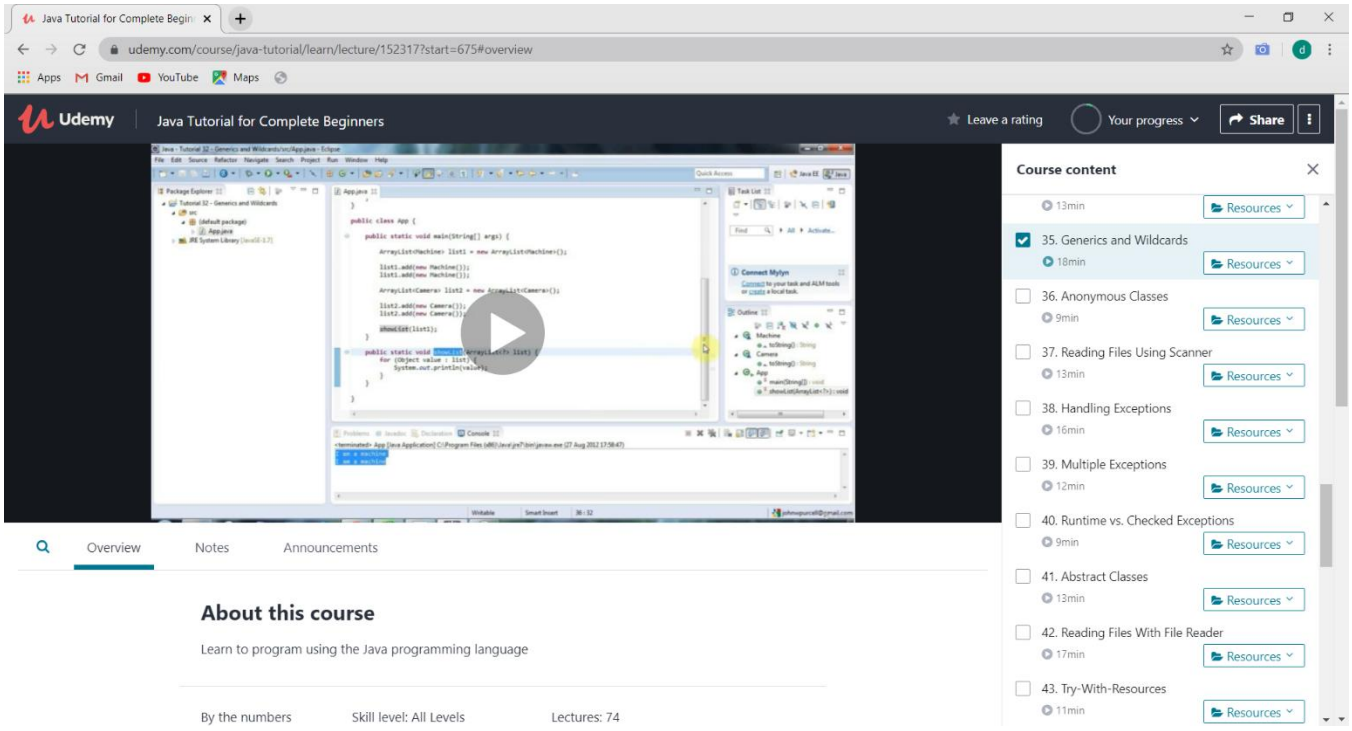
- In all cases we will clip away any legend text within 0.200mm (10mil) of the board edge.

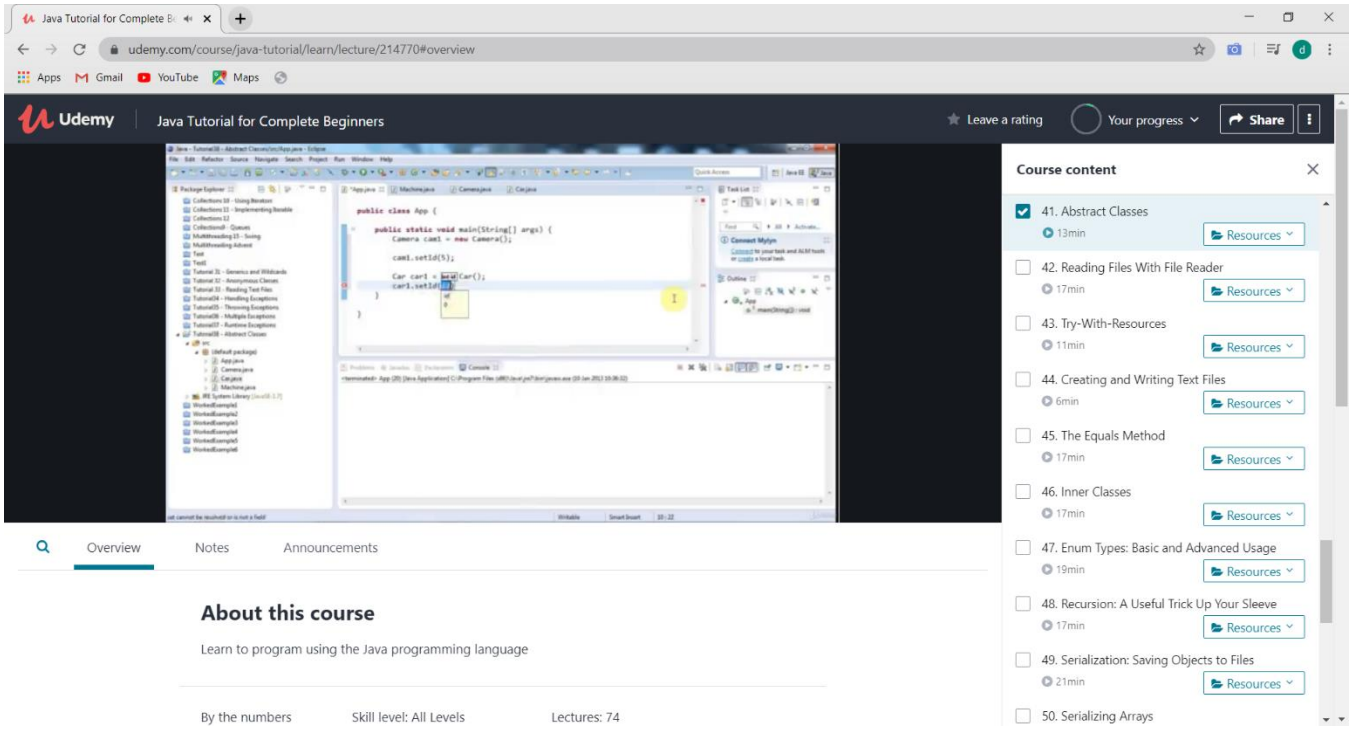
DAILY ASSESSMENT FORMAT

Date:	**12/06/2020**	**Name:**	**Yashaswini.R**
Course:	**Java**	**USN:**	**4AL17EC098**
Topic:	**Programming core java**	**Semester & Section:**	**6th sem 'B' sec**
Github Repository:	**Yashaswini**		

AFTERNOON SESSION DETAILS

Image of session





Generics and Wildcards:

Java Generic's wildcards is a mechanism in Java Generics aimed at making it possible to cast a collection of a certain class, e.g A, to a collection of a subclass or superclass of A

Generic Methods:

- All generic method declarations have a type parameter section delimited by angle brackets (< and >) that precedes the method's return type (< E > in the next example).
- Each type parameter section contains one or more type parameters separated by commas. A type parameter, also known as a type variable, is an identifier that specifies a generic type name.
- The type parameters can be used to declare the return type and act as placeholders for the types of the arguments passed to the generic method, which are known as actual type arguments.
- A generic method's body is declared like that of any other method. Note that type parameters can represent only reference types, not primitive types (like int, double and char).

Anonymous Class :

- It is an inner class without a name and for which only a single object is created.
- An anonymous inner class can be useful when making an instance of an object with certain “extras” such as overloading methods of a class or interface, without having to actually subclass a class.
- Anonymous inner classes are useful in writing implementation classes for listener interfaces in graphics programming.

Reading Files Using Scanner:

- A simple text scanner which can parse primitive types and strings using regular expressions.
- A Scanner breaks its input into tokens using a delimiter pattern, which by default matches whitespace. The resulting tokens may then be converted into values of different types using the various methods.

Exception Handling:

If an exception occurs, which has not been handled by programmer then program execution gets terminated and a system generated error message is shown to the user.

Abstract classes:

Abstract classes allow you to define the parent class of a new hierarchy without having to worry about the user actually instantiating the parent