DAILY ASSESSMENT FORMAT

Date:	9 June 2020	Name:	Karegowda kn
Course:	Ki cad printed circuit board design	USN:	4al16ec029
Topic:	1.start a new project 2.netlist and footprint association	Semester & Section:	6 sem, B sec
GitHub Repository:	Karegowda-courses		

FORENOON SESSION DETAILS
Report: THE DESIGINING PROCESS Designing a circuit board consists of four main parts: • Draw the schematic (circuit diagram) • Generate a netlist for the schematic • Lay out the circuit board • Generate Gerber files that are sent to the PCB manufacturer

Drawing the Schematic and Generating the Netlist:

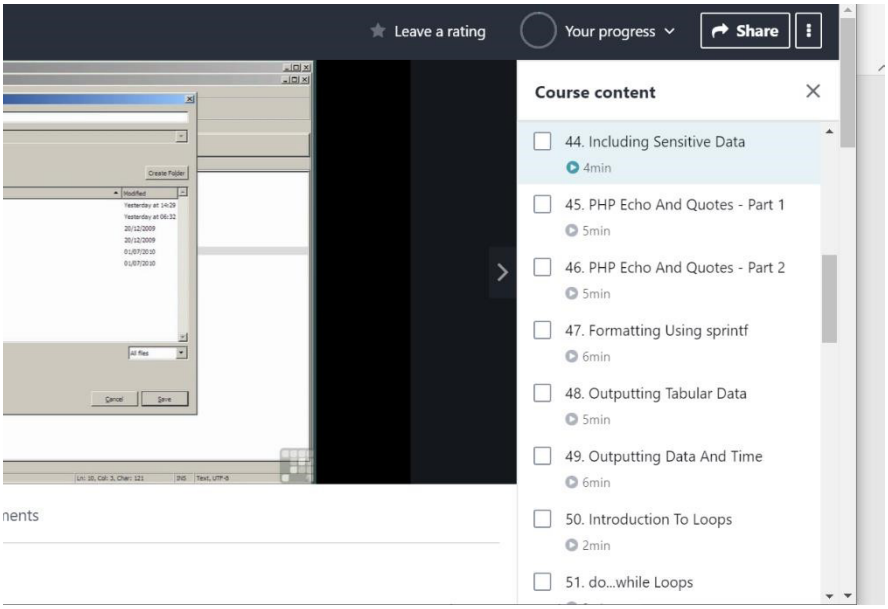
- The schematic editor used to draw circuit diagrams in KiCad is called EESchema. Once the circuit diagram is drawn, a netlist is generated from it. This is done by simply clicking a button in EESchema.
- The netlist contains information on all the components in the schematic and the connections between components.
- The Netlist file is a file that contains information about the circuit, it's components, associated footprints, labels and pin numbers and many other things.
- Our PCBnew, which is the PCB editor, would read this file and load the appropriate footprints from the library and that will do the layout and wiring.

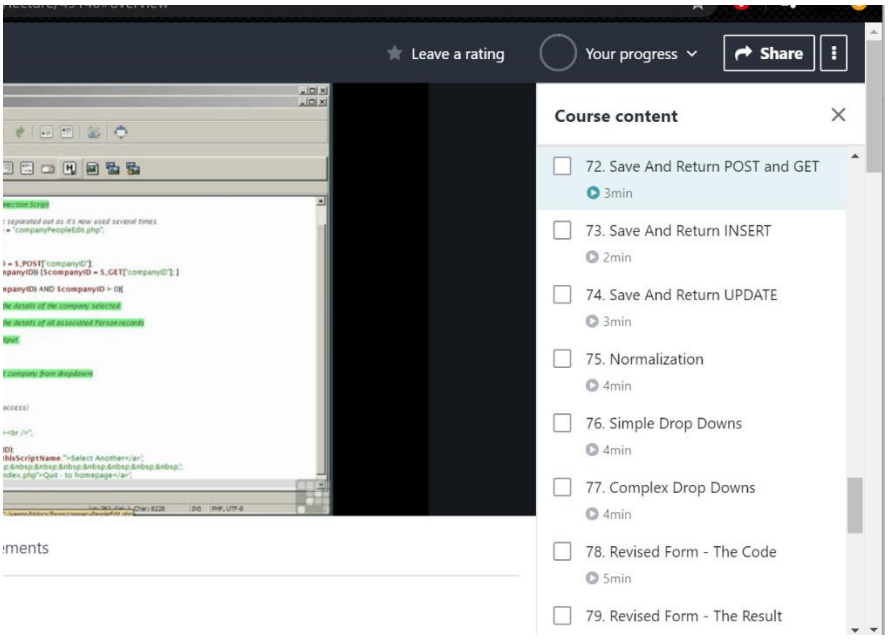
DAILY ASSESSMENT FORMAT

Date:	9 June 2020	Name:	Karegowda kn
Course:	MySQL	USN:	4al16ec029
Topic:	1. Outputting and processing data 2. Dealing with variables 3. Inserting and using database data	Semester & Section:	6 sem, B sec
GitHub Repository:	Karegowda-courses		

AFTERNOON SESSION DETAILS

Image of session





Inserting and using database data:

- The INSERT INTO statement is used to add new data to a database.
- The INSERT INTO statement adds a new record to a table.
- INSERT INTO can contain values for some or all of its columns. INSERT INTO can be combined with a SELECT to insert records

Here are some syntax rules to follow:

- The SQL query must be quoted in PHP
- String values inside the SQL query must be quoted
- Numeric values must not be quoted
- The word NULL must not be quoted

Example (MySQL Object-oriented)

```
<?php
$servername = "localhost";
$username = "username";
$password = "password";
$dbname = "myDB";

// Create connection
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection if
($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}

$sql = "INSERT INTO MyGuests (firstname, lastname, email)
VALUES ('John', 'Doe', 'john@example.com')";

if ($conn->query($sql) === TRUE)
{   echo "New record created
successfully";
} else {
  echo "Error: " . $sql. "<br>". $conn->error;
}

$conn->close ();
?>
```