

## DAILY ASSESSMENT FORMAT

Date:	9 June 2020	Name:	Karegowda kn
Course:	Ki cad printed circuit board design	USN:	4a16ec029
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 DESIGNING 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.



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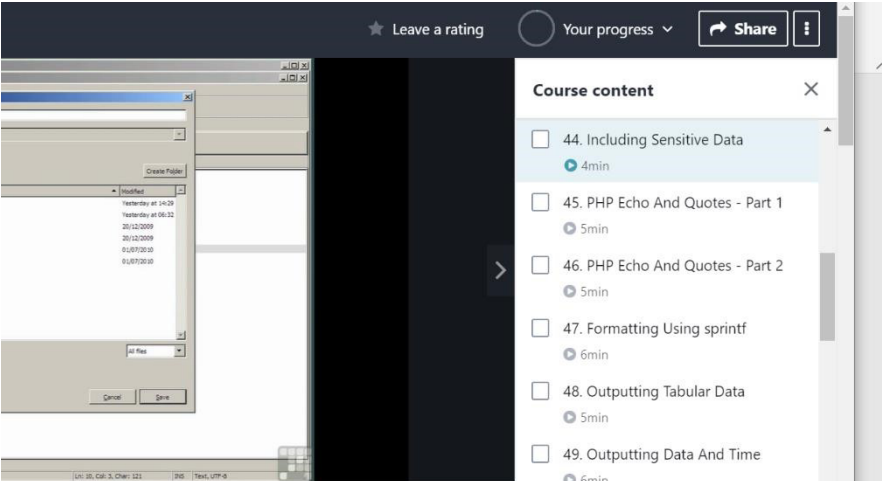
## **DAILY ASSESSMENT FORMAT**

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		

<b>AFTERNOON SESSION DETAILS</b>
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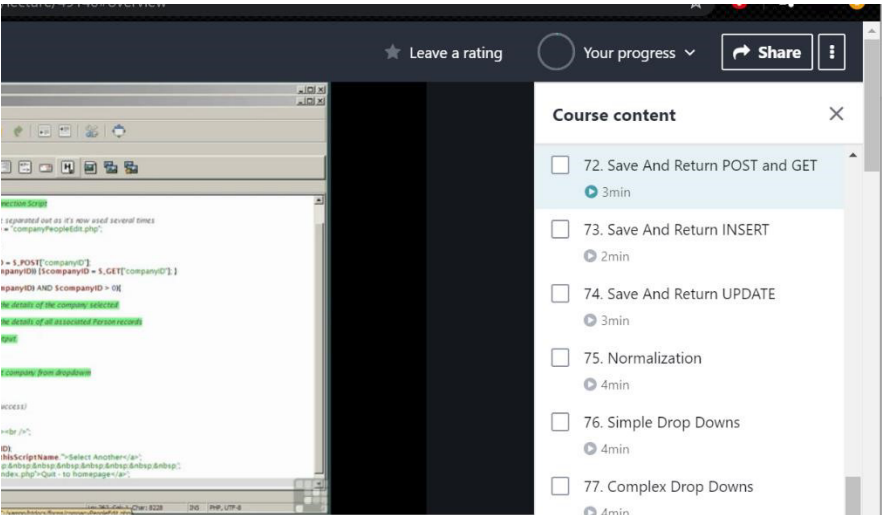
## Image of session



The screenshot shows a video player interface. At the top, there are controls for 'Leave a rating', 'Your progress', 'Share', and a settings icon. The main video area displays a file explorer window with a 'Create Folder' dialog box open. The sidebar on the right, titled 'Course content', lists lessons 44 through 51. Lesson 44, 'Including Sensitive Data', is currently selected and marked as completed with a blue dot and a 4min duration.

Course content

- ☐ 44. Including Sensitive Data 4min
- ☐ 45. PHP Echo And Quotes - Part 1 5min
- ☐ 46. PHP Echo And Quotes - Part 2 5min
- ☐ 47. Formatting Using sprintf 6min
- ☐ 48. Outputting Tabular Data 5min
- ☐ 49. Outputting Data And Time 6min
- ☐ 50. Introduction To Loops 2min
- ☐ 51. do...while Loops



The screenshot shows a video player interface. At the top, there are controls for 'Leave a rating', 'Your progress', 'Share', and a settings icon. The main video area displays a code editor window with PHP code. The sidebar on the right, titled 'Course content', lists lessons 72 through 79. Lesson 72, 'Save And Return POST and GET', is currently selected and marked as completed with a blue dot and a 3min duration.

Course content

- ☐ 72. Save And Return POST and GET 3min
- ☐ 73. Save And Return INSERT 2min
- ☐ 74. Save And Return UPDATE 3min
- ☐ 75. Normalization 4min
- ☐ 76. Simple Drop Downs 4min
- ☐ 77. Complex Drop Downs 4min
- ☐ 78. Revised Form - The Code 5min
- ☐ 79. Revised Form - The Result

## 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 ();
?>
```



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