

DAILY ASSESSMENT FORMAT

Date:	09/06/2020	Name:	Nishanth
Course:	Pcb design	USN:	4a17ec063
Topic:	1.Introduction 2.Getting started with PCB Design	Semester & Section:	6thb-section
GitHub Repository:	nishanthvr		

FORENOON SESSION DETAILS

KiCad is a free software suite for electronic design automation (EDA). It facilitates the design of schematics for electronic circuits and their conversion to PCB designs. KiCad was originally developed by Jean-Pierre Charras. It features an integrated environment for schematic capture and PCB layout design. Tools exist within the package to create a bill of materials, artwork, Gerber files, and 3D views of the PCB and its components.

We learn:

- 1.netlist and footprint association and plaong pcb items
- 2.silk screen and copper pour
- 3.mounting holes

Date:	09 /06/2020	Name:	Nishanth
Course:	Beginner PHP and MySQL	USN:	4a17ec063

AFTERNOON SESSION DETAILS

Image of session

The screenshot displays the Udemy interface for the 'Beginner PHP and MySQL Tutorial' course. The main video player area shows a slide titled 'Normalisation' with the text: 'Normalisation includes the process of removing the potential for data redundancy.' and a link to 'http://en.wikipedia.org/wiki/Database_normalization'. The right sidebar lists the course content, including lessons 72 through 80, with lesson 75 'Normalization' highlighted. The bottom section of the page has tabs for 'Overview', 'Bookmarks', and 'Announcements', with 'Overview' selected. Below the tabs, there is a section titled 'About this course' with the text: 'Learn PHP and MySQL and start developing web apps like a pro! This course also comes with a Certificate of Completion.'

PHP Arrays

Arrays are complex variables that allow us to store more than one value or a group of values under a single variable name. Let's suppose you want to store colors in your PHP script.

Types of Arrays in PHP

There are three types of arrays that you can create. These are:

- **Indexed array** — An array with a numeric key.
- **Associative array** — An array where each key has its own specific value.
- **Multidimensional array** — An array containing one or more arrays within itself.

Variables are used to store data, like string of text, numbers, etc. Variable values can change over the course of a script. Here're some important things to know about variables:

- In PHP, a variable does not need to be declared before adding a value to it. PHP automatically converts the variable to the correct data type, depending on its value.
- After declaring a variable it can be reused throughout the code.
- The assignment operator (=) used to assign value to a variable.

Different Types of Loops in PHP

Loops are used to execute the same block of code again and again, as long as a certain condition is met. The basic idea behind a loop is to automate the repetitive tasks within a program to save the time and effort. PHP supports four different types of loops.

- **while** — loops through a block of code as long as the condition specified evaluates to true.
- **do...while** — the block of code executed once and then condition is evaluated. If the condition is true the statement is repeated as long as the specified condition is true.
- **for** — loops through a block of code until the counter reaches a specified number.
- **foreach** — loops through a block of code for each element in an array.

You will also learn how to loop through the values of array using [foreach\(\)](#) loop at the end of this chapter. The `foreach()` loop work specifically with arrays.