Class: TY.BS.C - SEM 5   Subject: PHP

Assignment 1

AIM : Learn to deal with echo/print statement, variables , comments and operators in PHP.

1. Create a basic PHP arithmetic application that contain following:
   a) Write your Class, Name, Aim and other detail in comment with today date.
   b) Create a 2 variable local & global.
   c) Create one function as "AirthOperation" and perform sum, subtraction, division, modulos & multiplication using local & global variables.
   d) Create another function as "IncDecOperation" and perform pre / post increment and decrement on values of global variable.
   e) Create another function as "stringconcat" and take 2 string values in variable and concatenate them in one string. Ex: $v1="shweta" $v2="bhatia" then $output = "shwetabhatia"
   f) Call function according to need and print various output.
   g) Also show the difference output with echo in single quotes & double quotes.
   h) Use reference variable ($$) to assign sum value to be used in any other operation.

POINT TO NOTE: echo and print are more or less the same. They are both used to output data to the screen.

The differences are small: echo has no return value while print has a return value of 1 so it can be used in expressions. echo can take multiple parameters (although such usage is rare) while print can take one argument. echo is marginally faster than print.

The echo statement can be used with or without parentheses: echo or echo().

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Assignment 2

AIM : Learn to work with Loop, Conditions and Array with their various functionality.

1. Create a web application "Manage Employee Data" with following :

   a) Create an two index array that store 3 employee name and 3 employee salary in it and display them (without loop) on browser.

2. For the same application as above do the following:

   a) Create an associative array that store name and salary of 5 employees.
   b) Display only 3 employee information with help of for() loop and terminate the script with help of die() / exit() function.

3. For the same application as above do the following:

   a) Create an multidimensional array that store name, salary, email & contact of atleast 3-4 employees. (may use array_key() function)
   b) Display size of array (may use sizeof() function)and all information of employee with help of foreach() loop.
   c) Display employee information sort by salary.

POINT TO NOTE: Don't keep associative array inside double quote while printing otherwise it would not return any value.

Assignment 3

AIM : Learn to work with Forms, it's validation, maintaining session & database connectivity with mysql .

1. Create a website for "Employee information system" that do the following things:

   a) Create a form for Employee Registration with Empname, EmpEmail, EmpContact , EmpDesignation, EmpDepartment (sale/purchase/marketing/clerk) , Gender & Password fields.

   b) Apply validation on all fields : must not be empty. (may use empty function or double quotes)
   EmpContact field : must contain number (may use is_numeric() function or   Preg_match() function)
   And Empname must contain alphabets only. (may use Preg_match() or ctype_alpha()   function)
   EmpEmail field validation : must be valid email address (May use Preg_match() or Filter_var().)

   c) Display their registration information using superglobal variable (GET/POST/REQUEST) on another page.

   d) Create a Login form with EmpEmail and Password and check whether that employee email & password is exist or not.

   e) Submit the form on Welcome page with proper message.

NOTE EXAMPLE: <?php

// Declare variable and initialize it to email

$email = "author@geeksforgeeks.com";

// Validate email
if (filter_var($email, FILTER_VALIDATE_EMAIL)) {
     echo("$email is a valid email address");
}
else {
     echo("$email is not a valid email address");
}

?>

Assignment   4

AIM : Learn to work with Database CRUD operation in PHP.

1.Create a database "EmpInfo" for above created application with table as mentioned below:

   a) Table- EmpProfile : EmpName, EmpEmail (PK) , EmpContact, EmpDesignation, EmpDepartment, Gender, EmpPasswd.
   b) Modify a Login form and check from table EmpProfile that EmpEmail and Password is exist or not.
   c) Create a session of EmpEmail and show it on Welcome page.

2. Create & Generate a ToDo List after Employee login's and do following things:

1. Create a web page "Todo" and   take a form with input of various fields :
select manager (m1, m2 , m3) , Work Assign (development, testing, analysis, maintainance) , work description , today's date.
Insert all data in table "todo" with fields as: todo_id , managername, workdescription, todaydate - in same above created database .

2. Display all above information in table format on Employee welcome page by extracting from table "todo". Also create update hyperlink/button with view list.

PHP Update Data Demo

Id	First Name	Last Name	City Name	Email	Action
921392	asd	rao	bamggh	deepanrao.gv@waycool.in	Update
921391	geroge			deepanrao.gv@waycool.in	Update
921390	geroge			deepanrao.gv@waycool.in	Update
921389	Narayan	Rajak	bokaro	n.rajak1989@gmail.com	Update
921388	zdsv	sefes	esfes	ferctorresv@gmail.com	Update

3. Create a form for update operation with all "todo" fields, submit it and get data update in database.

4. Delete any one task from "todo" list of older date.

Assignment   5

AIM : Work with Website that handles operation using Ajax and mysql in PHP

Create a search application for employee table.

Create a form which takes department (all department name listed in dropdown control must be same as in employee table) as input from user and selected department employee information must get display on page using ajax with mysql.

Example as below: