

**Module-1****Topic – SQL****Task-1 :**

- Table Name :- Employee

Employee_id	First_name	Last_name	Salary	Joining_date	Department
1	John	Abraham	1000000	01-JAN-13 12.00.00 AM	Banking
2	Michael	Clarke	800000	01-JAN-13 12.00.00 AM	Insurance
3	Roy	Thomas	700000	01-FEB-13 12.00.00 AM	Banking
4	Tom	Jose	600000	01-FEB-13 12.00.00 AM	Insurance
5	Jerry	Pinto	650000	01-FEB-13 12.00.00 AM	Insurance
6	Philip	Mathew	750000	01-JAN-13 12.00.00 AM	Services
7	TestName1	123	650000	01-JAN-13 12.00.00 AM	Services
8	TestName2	Lname%	600000	01-FEB-13 12.00.00 AM	Insurance



- Table Name :- Incentives

Employee_ref_id	Incentive_date	Incentive_amount
1	01-FEB-13	5000
2	01-FEB-13	3000
3	01-FEB-13	4000
1	01-JAN-13	4500
2	01-JAN-13	3500

B1.	Get First_Name from employee table using alias name “Employee Name”.
B2.	Get FIRST_NAME, Joining year, Joining Month and Joining Date from employee table.
B3.	Get all employee details from the employee table order by First_Name Ascending and Salary descending.
B4.	Get employee details from employee table whose first name contains ‘o’.
I1.	Get employee details from employee table whose joining month is “January”.
I2.	Get department, total salary with respect to a department from employee table order by total salary descending.
I3.	Get department wise maximum salary from employee table order by salary ascending.
I4.	Select first_name, incentive amount from employee and incentives table for those employees who have incentives and incentive amount greater than 3000
A1.	Select 2nd Highest salary from employee table.
A2.	Select first_name, incentive amount from employee and incentives table for all employees who got incentives using left join.



A3.	Create View OF Employee table in which store first name ,last name and salary only.
A4.	Create Procedure to find out department wise highest salary.
A5.	Create After Insert trigger on Employee table which insert records in view table.

**Task-2 :**

TABLE-1

TABLE NAME- SALESPERSON

(PK)SNo	SNAME	CITY	COMM
1001	Peel	London	.12
1002	Serres	San Jose	.13
1004	Motika	London	.11
1007	Rafkin	Barcelona	.15
1003	Axelrod	New York	.1

TABLE-2

TABLE NAME- CUSTOMER

(PK)CNM.	CNAME	CITY	RATING	(FK)SNo
201	Hoffman	London	100	1001
202	Giovanne	Roe	200	1003
203	Liu	San Jose	300	1002
204	Grass	Barcelona	100	1002
206	Clemens	London	300	1007
207	Pereira	Roe	100	1004



TABLE-3

TABLE NAME- Order

(PK)ONM	AMT	ODE	(FK)CNM	(FK)SNo
3001	18.69	03-OCT-94	2008	1007
3003	767.19	03-OCT-94	2001	1001
3002	1900.10	03-OCT-94	2007	1004
3005	3005	03-OCT-94	2003	1002
3006	3006	04-OCT-94	2008	1007
3009	3009	04-OCT-94	2002	1003
3007	3007	05-OCT-94	2004	1002
3008	3008	05-OCT-94	2006	1001
3010	3010	06-OCT-94	2004	1002
3011	3011	06-OCT-94	2006	1001

B1.	All orders for more than \$1000.
B2.	Names and cities of all salespeople in London with commission above 0.10.
B3.	All salespeople either in Barcelona or in London.
B4.	All salespeople with commission between 0.10 and 0.12. (Boundary values should be excluded).
B5.	All customers with NULL values in city column.
I1.	All orders taken on Oct 3Rd and Oct 4th 1994.
I2.	All customers serviced by peel or Motika.
I3.	All customers whose names begin with a letter from A to B
I4.	All customers excluding those with rating $\leq$ 100 unless they are located in Rome.
A1.	All orders except those with 0 or NULL value in amt field.
A2.	Count the number of salespeople currently listing orders in the order table.



A3.	Largest order taken by each salesperson, datewise.
A4.	Largest order taken by each salesperson with order value more than \$3000. (ie same city).

### **Task-3 :**

Create DataBase: Practice

Note: Use Create SQL statement for creating table.

CreateTable:

#### **tblProducts:**

ColumnName	DataType	Constraint	Description
tID	int	Primarykey	AutoIncrement
ProductName	Varchar(20)		
RecommendedPrice	Money		
Category	Varchar(10)		

#### **tblCustomers:**

ColumnName	DataType	Constraint	Description
CustomerID	int	Primarykey	AutoIncrement
FirstName	Varchar(50)		
LastName	Varchar(50)		
City	Varchar(50)		
State	Char(2)		
Zip	Varchar(10)		

#### **tblSales**

Column Name	DataType	Constraint	Description
SalesID	int	Primarykey	AutoIncrement
ProductID	Int	Foreignkey	
CustomerID	Int	Foreignkey	
SalesPrice	Money		
SalesDate	Smalldatetime		

**Note : Insert data using insert statement in to table**

#### **tblProduct:**

ProductID	ProductName	RecommendedPr	Category
1	DVD	105.00	LivingRoom
2	Microwave	98.00	Kitchen
3	Monitor	200.00	Office
4	Speakers	85.00	Office
5	Refrigerator	900.00	Kitchen
6	VCR	165.00	LivingRoom
7	CoffeePot	35.00	Kitchen



**tblCustomers:**

CustomerID	FirstName	LastName	City	State	Zip
1	Chintan	Patel	Anand	GJ	388001
2	Paresh	Prajapati	Nadiad	GJ	387001
3	Pragnesh	Patel	Surat	GJ	395008
4	Nilesh	Dharsandia	Mumbai	MH	400002
5	Sonal	Patel	Mumbai	MH	400002
6	Harshal	Patel	Mogri	GJ	388345
7	Prakash	Rathod	Mogri	GJ	388345
8	Aarzoo	Dodhiya	Rajkot	GJ	360003
9	Heta	Dave	Varanasi	UP	221002
10	Nikita	Dave	Varanasi	UP	221002
11	Vaibhav	Dave	Varanasi	UP	221002
12	Paresh	Patel	Pune	MH	411001
13	Prakash	Patel	Pune	MH	411001
14	Sandhya	Patel	Hyderabad	AP	500031
15	Divesh	Patel	Banglore	KA	560002
16	Payal	Shah	Banglore	KA	560002
17	Priyanka	Rana	Anand	GJ	388001
18	Sanket	Dhebar	V.V.Nagar	GJ	388121
19	Puja	Shah	Varanasi	UP	221002
20	Priya	Shah	Varanasi	UP	221002

**tblSales:**

SalesID	ProductID	CustomerID	SalesPrice	SalesDate
1	1	1	130.00	2005-06-14
2	2	2	97.00	2005-06-19
3	3	3	200.00	2005-09-20
4	4	4	80.00	2005-03-22
5	5	5	899.00	2005-01-23
6	6	6	150.00	2005-03-24
7	3	7	209.00	2005-03-10
8	4	8	90.00	2005-08-11
9	6	9	130.00	2005-08-12
10	2	14	85.00	2005-12-13
11	3	15	240.00	2005-05-14
12	1	17	87.00	2005-07-19
13	2	18	99.00	2005-09-20
14	6	19	150.00	2005-07-22
15	5	5	900.00	2005-03-06
16	4	6	86.00	2005-04-07
17	2	7	88.00	2005-11-08
18	3	8	198.00	2005-05-09
19	1	9	150.00	2005-10-10
20	6	14	99.00	2005-05-09
21	6	15	104.00	2005-09-20
22	4	14	90.00	2005-07-22
23	1	1	130.00	2005-03-06
24	2	2	102.00	2005-04-07
25	1	3	114.00	2005-11-08
26	5	4	1000.00	2005-05-09
27	5	5	1100.00	2005-10-10
28	3	6	285.00	2005-06-11
29	2	7	87.00	2005-10-12
30	3	8	300.00	2005-07-13
31	3	20	205.00	2005-12-31



B1.	Return the FirstName, LastName, ProductName, and SalePrice for all products sold in the month of October2005.
B2.	Return the CustomerID, FirstName, and LastName of those individuals in the Customer table who have made no Sales purchases.
B3.	Return the FirstName, LastName, SalePrice, Recommended SalePrice, and the difference between the SalePrice and Recommended SalePrice for all Sales. The difference must be returned as a positive number.
B4.	Return the average SalePrice by Product Category.
I1.	Add the following Customer and Sale information to the database. (using store procedure) FirstName : Priyanka LastName : Chopra City:Mumbai State:MH Zip:400001 ProductID:3 SalePrice:205 SaleDate:12/31/2005
I2.	Return the Product Category and the average Sale Price for those customers who have purchased two or more products.
A1.	Update the Sale Price to the Recommended Sale Price of those Sales occurring between 6/10/2005and6/20/2005.
A2.	Number of Sales by Product Category where the average Recommended Priceis10 or more dollars greater than the average Sale Price.
A3.	Without using a declared iterative construct, return Sale Date and the running total for all sales, ordered by the Sale Date in Ascending Order.



**Task-4 :**

	<p>Note : Operatinal Statement with Employment.</p> <p>tblemp(eno,ename,bdate,title,salary, dno), tblproj(pno,pname,budget,dno), tbldept(dno,dname,mgreno), tblworkson(eno,pno,resp,hours).</p>
B1.	Write an SQL query that returns the project number and name for projects with a budget greater than \$100,000.
B2.	Write an SQL query that returns all works on records where hours worked is less than 10 and the responsibility is “Manager”.
B3.	Write an SQL query that returns the employees (number and name only) who have a title of “EEE” or “SA” and make more than \$35,000.
B4.	Write an SQL query that returns the employees (name only) in department “D1” ordered by decreasing salary.
I1.	Write an SQL query that returns the departments (all fields) ordered by ascending department name.
I2.	Write an SQL query that returns the employee name, department name, and employee title.
I3.	Write SQL query that returns the project name, hours worked, and project number for all works on records where hours > 10.
A1.	Write an SQL query that returns the project name, department name, and budget for all projects with a budget < \$50,000.
A2.	Write an SQL query that returns the employee numbers and salaries of all employees in the “Consulting” department ordered by descending salary.
A3.	Write an SQL query that returns the employee name, project name, employee title and hours for all works on records.

**Module-2****Topic – CORE PHP**

B1	Write a PHP program to enter marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer, calculate percentage and grade by if else Write a PHP program for find 'Thursday' in week using switch function.
B2	Write a PHP program to check Leap years between 1901 to 2016 using nested if.
B3	Write a PHP program to find the largest of three numbers using ternary operator.
B4	Write a program in PHP to print Fibonacci series. 0, 1, 1, 2, 3, 5, 8, 13, 21, 34
B5	Write a program to find whether a number is Armstrong or not
B6	Write a program to print Reverse of any number.
B7	To check whether a number is Prime or not.
B8	Write a PHP program in which enter Amount, Year, Rate by form and find the simple interest.
B9	Write a Program to swap two numbers in PHP.
B10	Write a PHP program in which take three numbers by form and find the minimum and maximum numbers from it.
B11	Write a PHP program in which enter basic salary, DA, HRA , PF by form and find the Gross Salary.
B12	Is PHP a strongly typed language?



B13	What is meant by variable variables in PHP?
B14	What are the differences between echo and print?
B15	What type of errors can be occurred in PHP?
I1	<p>Write a program to print the below format :</p> <pre>1 5 9 2 6 10 3 7 11 4 8 12</pre>
I2	<p>Write a program for this Pattern:</p> <pre>***** *   * *   * *   * *   * *****</pre>
I3	<pre>\$str1 = 'yabadabadoo'; \$str2 = 'yaba'; if (strpos(\$str1,\$str2)) {     echo "\" . \$str1 . "\" contains \"" . \$str2 . "\""; } else {     echo "\" . \$str1 . "\" does not contain \"" . \$str2 . "\""; }</pre> <p>Output:?</p>



I4	<p>What will be the output of the code below and why?</p> <pre>\$x = 5; echo \$x; echo "&lt;br /&gt;"; echo \$x+++ \$x++; echo "&lt;br /&gt;"; echo \$x; echo "&lt;br /&gt;"; echo \$x--- \$x--; echo "&lt;br /&gt;"; echo \$x;</pre>
I5	<p>What will be the values of \$a and \$b after the code below is executed? Explain your answer.</p> <pre>\$a = '1'; \$b = &amp;\$a; \$b = "2\$b";</pre>
I6	<p>How can you tell if a number is even or odd without using any condition or loop?</p>
I7	<p>Write a PHP program to print alphabet pattern 'J'. Expected Output:</p> <pre>*** * * * * * * *</pre>



B1	What is the difference between <code>include_once()</code> and <code>require_once()</code> , which one would you use in circumstances where you need to connect to a database, and why?
B2	What are the uses of <code>explode()</code> and <code>implode()</code> functions?
B3	Which function is used in PHP to check the data type of any variable?
B4	How can you increase the maximum execution time of a script in PHP?
B5	What is meant by 'passing the variable by value and reference' in PHP?
B6	Which function you can use in PHP to open a file for reading or writing or for both?
B7	Which function is used in PHP to delete a file?
B8	Which functions are used to count the total number of array elements in PHP?
B9	What is the difference between <code>substr()</code> and <code>strstr()</code> ?
B10	What is use of the <code>header()</code> function in PHP?
I1	Write a Program for finding the biggest number in an array without using any array functions.
I2	How can you declare the array(all type) in PHP? Explain with example
I3	Covert a JSON string to array.
I4	Write program to remove duplicate values from array





I5	Get random values from array
I6	Write a PHP script which decodes the following JSON string.
I7	Use a for loop to total the contents of an integer array called numbers which has five elements. Store the result in an integer called total.
I8	Declare a Multi Dimensioned array of floats called balances having three rows and five columns.
A1	<p>Sample JSON code :</p> <pre>{ "Title": "The Cuckoos Calling",   "Author": "Robert Galbraith",   "Detail": {     "Publisher": "Little Brown"   } }</pre> <p>Expected Output :</p> <p>Title : The Cuckoos Calling Author : Robert Galbraith Publisher : Little Brown</p>
A2	<p>Write a PHP script that inserts a new item in an array in any position.</p> <p>Expected Output :</p> <p>Original array :</p> <p>1 2 3 4 5</p> <p>After inserting '\$' the array is :</p> <p>1 2 3 \$ 4 5</p>



A3	<p>Write a PHP function to change the following array's all values to upper or lower case.</p> <p>Sample arrays : \$Color = array('A' =&gt; 'Blue', 'B' =&gt; 'Green', 'c' =&gt; 'Red'); Expected Output : Values are in lower case. Array ( [A] =&gt; blue [B] =&gt; green [c] =&gt; red ) Values are in upper case. Array ( [A] =&gt; BLUE [B] =&gt; GREEN [c] =&gt; RED )</p>
A4	<p>Write a PHP script to get the shortest/longest string length from an array.</p>
A5	<p>Sample arrays : ("abcd","abc","de","hjjj","g","wer") Expected Output : The shortest array length is 1. The longest array length is 4.</p>
A6	<p>Write a PHP script to get the largest key in an array.</p>
A7	<p>Write a PHP function to floor decimal numbers with precision. Note: Accept three parameters number, precision, and \$separator Sample Data : 1.155, 2, "." 100.25781, 4, "." -2.9636, 3, "."</p> <p>Expected Output : 1.15 100.2578 -2.964</p>
A8	<p>Write a PHP script to print "second" and Red from the following array. Sample Data : \$color = array ( "color" =&gt; array ( "a" =&gt; "Red", "b" =&gt; "Green", "c" =&gt; "White"), "numbers" =&gt; array ( 1, 2, 3, 4, 5, 6 ), "holes" =&gt; array ( "First", 5 =&gt; "Second", "Third"));</p>
A9	<p>Write a PHP function to generate a random password (contains uppercase, lowercase, numeric and other) using shuffle() function.</p>



A10	<p>Write a PHP script to get an array containing all the entries of an array which have the keys that are present in another array.</p> <p>Test Data : 1st array : ('c1' =&gt; 'Red', 'c2' =&gt; 'Green', 'c3' =&gt; 'White', c4 =&gt; 'Black')</p> <p>2nd array : ('c2', 'c4')</p> <p>Output :</p> <p>Array</p> <p>(</p> <p>[c2] =&gt; Green</p> <p>[c4] =&gt; Black</p> <p>)</p>
A11	<p>Write a PHP program using array function for above array type to find:</p> <p>a) \$a=array("a","b","c")</p> <p>b) \$b=array ("JAVA","PHP","ASP")</p> <p>c) Merge array \$a &amp; \$b</p> <p>d) Find "JAVA" in \$b</p> <p>e) Reverses array of \$b</p> <p>f) Merge two \$a &amp; \$b array</p>
A12	<p>Write a PHP program using array function for above array type to find:</p> <p>\$a=array("a"=&gt;"rajesh","b"=&gt;"nirav","c"=&gt;"varun")</p> <p>\$b=array("c"=&gt;"varun","d"="kaushal","e"=&gt;"mehul")</p> <p>a) Find Difference in two array \$c &amp; \$d`</p> <p>b) Compute Intersection in \$c &amp; \$d</p> <p>c) Remove last element of \$c</p> <p>d) check value "Nirav" exists or not from \$c</p> <p>e) Exchange all key with their value of \$d</p> <p>f) Split \$c array in chunks</p>
A13	<p>Declare a character based array called letters of ten elements</p>
A14	<p>Assign the character value 'Z' to the fourth element of the letters array</p>
A15	<p>Write a PHP script to convert the date to timestamp.</p> <p>Sample date : 12-05-2014</p> <p>Expected Result : 1399852800</p>



A16	Write a PHP script to calculate a number of days between two dates.
A17	Write a PHP script to get the first and last day of a month from a specified date.
A18	Write a PHP script to print like: Saturday the 7th.
A19	Write a PHP script to check whether the given dates are valid or not?
A20	Write a PHP script to get time difference in days and years, months, days, hours, minutes, seconds between two dates. Note: Use DateTime class. ( \$date1 = new DateTime('2012-06-01 02:12:51'); \$date2 = \$date1->diff(new DateTime('2014-05-12 11:10:00'));
A21	Write a PHP script to get the current date/time of 'Australia/Melbourne'.
A22	Write a PHP script to check if a date is a weekend or not.
A23	Write a PHP script to add/subtract the number of days from a particular date. Sample Output : Original date : 2011-01-01 Before 40 days : 2010-11-22 After 40 days : 2011-02-10
A24	Write a PHP script to calculate the current age of a person. Sample date of birth : 11.4.1987 Output : Your age :X years, X month, X days (display x values by current date).
A25	Write a PHP script to convert seconds into days, hours, minutes and seconds. Sample seconds : 200000 Expected output : 2 days, 7 hours, 33 minutes and 20 second



A26	Write a PHP script to : - a) transform a string all uppercase letters. b) transform a string all lowercase letters. c) make a string's first character uppercase. d) make a string's first character of all the words uppercase.
A27	Write a PHP script to split the following string. Sample string : '082307' Expected Output : 08:23:07
A28	Write a PHP script to check if a string contains a specific string? Sample string : 'The quick brown fox jumps over the lazy dog.' Check whether the said string contains the string 'jumps'.
A29	Write a PHP script to extract the file name from the following string Sample String : 'www.example.com/public_html/index.php' Expected Output : 'index.php'.
A30	Write a PHP script to extract the user name from the following email ID. Sample String : 'rayy@example.com' Expected Output : 'rayy'
A31	Write a PHP script to find the first character that is different between two strings. String1 : 'football' String2 : 'footboll' Expected Result : First difference between two strings at position 5: "a" vs "o"
A32	Write a PHP script to print the next character of a specific character. Sample character : 'a' Expected Output : 'b' Sample character : 'z' Expected Output : 'a'
A33	Write a PHP Program to create two form test1 & test2 and redirect test1 to test2 in 5 second.





A34	Write a PHP Program to download & read file for PDF, TEXT,JPF&WORD file.
A35	Write a PHP script to get the first and last day of a month from a specified date.
A36	Write a PHP function to get start and end date of a week (by week number) of a particular year.
A37	Write a PHP Program to using Date function to find default time zone with date and time in 20 Nov, 2016, 10:30 am.
A38	Write a PHP Program to using Date function to finddate before 3 months from current date. Find Time of before two hours from current time.
A39	Write a PHP Program to create current date & time by usingmktime() &strtotime().



B1	What are uses of GET, POST and REQUEST?
B2	What is SESSION?
B3	What are differences between session and cookies?
B4	Is it possible to use session without cookies?
B5	How to get current session id in PHP?
B6	What are super global variables in PHP?
B7	What is \$_SERVER? And why we use?
B8	How can we get the IP address of the client?
B9	Where we use \$_FILES?
B10	What is \$_ENV?
B11	List of Super Global variables.
B12	What is \$GLOBALS variables?
I1	How to set session? with example
I2	Destroy user data when user logout.
I3	How to set cookies for 1 year?
I4	How to use \$_ENV?
I5	Create registration and login with session and cookies?



I6	How we can retrieve cookies.
I7	How to redirect pages in PHP?
I8	Why is “header already sent” error generated?
I9	Write a PHP script to redirect a user to a different page.
I10	How to get path information?
I11	Write a PHP script, to check whether the page is called from 'https' or 'http'.
I12	Write a PHP script to get the full URL
I13	Write a PHP script to get the time of the last modification of the current page.
I14	Write a PHP script to count lines in a file.
I15	Write a PHP Program to using Global Variable to find information about header, path, script Location.
I16	Write a PHP Program to input value like id, name, pass in form test1 & get(show) value in test2 form to using method get & post with \$_GET, \$_POST and \$_REQUEST function.
I17	Write a PHP script to get the client IP address.
I18	Write a PHP script to get the PHP version and configuration information.
A1	Upload image with server side validation for image size should not be greater than 1MB and allow JPG/JPEG/PNG (Image Format Only).
A2	Example of Add to Cart via session with remove product functionality.



A3	Save username and password on browser and perform remember me functionality.
A4	Write a script for automatically logout after 20min.
A5	Restriction to access page without login.
A6	Fix this “header already sent” error?
A7	Download image on button click

**Module-3****Topic – OOPS**

B1	What Is Object Oriented Programming?
B2	What Are Properties Of Object Oriented Systems?
B3	What Is Difference Between Class And Interface?
B4	What Is Overloading?
B5	What Is T_PAAMAYIM_NEKUDOTAYIM (Scope Resolution Operator ::) and give an example?
B6	What are the differences between abstract classes and interfaces?
I1	Define Constructor and Destructor?
I2	How to Load Classes in PHP?
I3	How to Call Parent Constructor?
I4	Are Parent Constructor Called Implicitly When Create An Object Of Class?
I5	What Happen, If Constructor Is Defined As Private Or Protected?
I6	Define New-style Constructor & Old-style Constructor. Check which One Will Be Called?
I7	Create Abstract class and method?
I8	Define 3 types of visibility of data member & member function.
I9	Create a method which will never inherited?





I10	What is the difference between Abstract class and Interface?
I11	Create parent class for car and child class for car_model and use car functionality in car_model class.
I12	Override the parent's properties and methods in the child class?
I13	Prevent the child class from overriding the parent's methods?
I14	Declare classes and methods as abstract?
I15	Can we have non abstract methods inside an abstract class? Explain With Example
I16	How to create child classes from an abstract class?
I17	What are PHP Magic Methods/Functions? List them
A1	Write program for Static Keyword in PHP?
A2	Create multiple Traits and use it in to a single class?
A3	Write PHP Script of Object Iteration?
A4	Create PHP script for objects passed in PHP – by reference or by value?
A5	What is data modeling?
A6	Use of The \$this keyword
A7	Declare and implement an interface and implement more than one interface in the same class.
A8	How to implement the polymorphism principle?
A9	Explain Scope resolution operator with example.
A10	Access child class property to parent.



B1	<p>Create a registration(signup.php) page which will have following fields (Start after complete Form get post method)</p> <ul style="list-style-type: none"><li>a. Username&lt;textbox&gt;</li><li>b. Password&lt;password&gt;</li><li>c. FirstName&lt;textbox&gt;</li><li>d. MiddleName&lt;textbox&gt;</li><li>e. LastName &lt;textbox&gt;</li><li>f. Email Address&lt;textbox&gt;</li><li>g. Phoneno.&lt;textbox&gt;</li><li>h. Address&lt;textarea&gt;</li><li>i. Country&lt;dropdown&gt;</li><li>j. State&lt;dropdown&gt;</li><li>k. city&lt;dropdown&gt;</li><li>l. Profile Picture</li><li>m. Gender&lt;radiobutton&gt;</li><li>n. Interest</li><li>News&lt;checkbox&gt;</li><li>Health&lt;checkbox&gt;</li><li>Automobiles&lt;checkbox&gt;</li><li>Internet&lt;checkbox&gt;</li><li>o. Submit&lt;submit&gt; Cancel&lt;reset&gt;</li></ul>
B2	<p>Create a login form(index.php). In this page there should have following fields</p> <ul style="list-style-type: none"><li>a. Username&lt;textbox&gt;</li><li>b. Password&lt;textbox&gt;</li><li>c. Login &lt;submit&gt;Cancel&lt;reset&gt;</li><li>d.Signup&lt;link&gt;</li></ul>
B3	<p>Clicking up on signup link user should be redirected to registration page (signup.php).</p>
B4	<p>Apply CSS to all above pages. And make index page attractive like put login area in the center with field set.</p>



B5	Now create admin login table and insert manually admin username and password.
B6	Then create an admin login page as you “We created for user. Now admin enters wrong username/password user should get message “invalid username/password” else if user enter username=<your username> and password=<your password>then he/she should be redirected to his homepage(adminhome.php). And admin home. Php admin should get message “Welcome,<adminname>” and a logout link clicking upon it user should be redirected to admin login.php. (Hint: use Select Query)
B7	Consider the form from exercise1.Clicking upon submit button all fields should be displayed on confirm. Php page and in confirm. Php page there should be a link which takes user to the login page(index.php).
I1	Create one database. In that database create registration table. Now consider exercise
I2	When user clicks on the submit button all data should be inserted into the registration table. Note:-User name must be unique.
I3	You have to implement login module. Consider the login form from exercise2. If user enters wrong username/password user should get message “invalid username/password” else if user enter username=<your username>and password=<your password> then he/she should be redirected to his homepage(home.php). And home. Php user should get message “Welcome,<username>” and a logout link clicking upon it user should be redirected to index.php. (Hint : use Select Query)



I4	<p>On admin homepage you have to create two link</p> <p>1) Add user Detail</p> <p>2) View user Detail.</p> <p>Clicking on view user detail admin show all the user detail</p> <table><tr><td>Id</td><td>Username</td><td>Firstname</td><td>Middlename</td><td>LastName</td><td>Country</td><td>Email</td></tr><tr><td>1</td><td>User1</td><td>First</td><td>Middle</td><td>Last</td><td>India</td><td><a href="mailto:Firstlast@email.com">Firstlast@email.com</a></td></tr></table>	Id	Username	Firstname	Middlename	LastName	Country	Email	1	User1	First	Middle	Last	India	<a href="mailto:Firstlast@email.com">Firstlast@email.com</a>		
Id	Username	Firstname	Middlename	LastName	Country	Email											
1	User1	First	Middle	Last	India	<a href="mailto:Firstlast@email.com">Firstlast@email.com</a>											
I5	<p>Consider the above (I4)exercise and add one more column</p> <table><tr><td>Id</td><td>Username</td><td>First name</td><td>Middle name</td><td>Last Name</td><td>Country</td><td>Email</td><td>Option</td></tr><tr><td>1</td><td>User1</td><td>First</td><td>Middle</td><td>Last</td><td>India</td><td><a href="mailto:First@email.com">First@email.com</a></td><td><a href="#">Enable/Disable</a></td></tr></table> <p>The link enable/disable would be either enable or disable according to user “status”.</p> <p>If user is disabled then the display to enable user and vice versa.</p>	Id	Username	First name	Middle name	Last Name	Country	Email	Option	1	User1	First	Middle	Last	India	<a href="mailto:First@email.com">First@email.com</a>	<a href="#">Enable/Disable</a>
Id	Username	First name	Middle name	Last Name	Country	Email	Option										
1	User1	First	Middle	Last	India	<a href="mailto:First@email.com">First@email.com</a>	<a href="#">Enable/Disable</a>										
I6	<p>Now create one more table for movie details in database, with fields Movie_title, Leading_actor, Leading_actress,Type,andDirector.</p> <p>Only Admin can add details to this table when he clicks on the first link.</p>																
I7	<p>Add movie Detail.</p>																
I8	<p>Consider the exercise11and add a edit link near delete link e.g.</p> <table><tr><td>Id</td><td>Movie Title</td><td>Leading Actor</td><td>Director</td><td>Type</td><td>Year</td><td>Option</td></tr><tr><td>1</td><td>Movie1</td><td>Actor1</td><td>Director1</td><td>Comedy</td><td>2009</td><td><a href="#">Edit/Delete</a></td></tr></table> <p>Clicking up on edit button a particulararrow should be open in editing mode e.g. on the Particular row there should be filled text box with data and on the option column there should be a confirm button clicking upon it arrow should be updated.</p>	Id	Movie Title	Leading Actor	Director	Type	Year	Option	1	Movie1	Actor1	Director1	Comedy	2009	<a href="#">Edit/Delete</a>		
Id	Movie Title	Leading Actor	Director	Type	Year	Option											
1	Movie1	Actor1	Director1	Comedy	2009	<a href="#">Edit/Delete</a>											



I9	<p>Create Hotel Room Booking System</p> <p>User can book room by 3 ways</p> <ol style="list-style-type: none"><li>1) Full day</li><li>2) Half day</li><li>3) Custom</li></ol> <p>If user select for the full day than user only have selection for the checking checkout date</p> <p>If user select Half day than user have option of date and slot option (like user want to book room for first half – Morning (8AM to 6PM) if user select for second half it's for evening (7PM to Morning 7AM)).</p> <p>Do proper validation like if user can book only available slot. (have to use jQuery -&gt; Ajax, validation, Json passing).</p>
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B1	What is jQuery?
B2	How are JavaScript and jQuery different?
B3	Which is the starting point of code execution in jQuery?
B4	Document Load Vs Window.Load() jQuery
B5	What is the difference between prop and attr?
B6	Explain Difference Between JQuery And Javascript?
B7	Why We Can Use JQuery In Our Application?
B8	How To Show The Alert Message On Button Click In JQuery? And explain multiple alert box
B9	What Is The Meaning Of Selectors In JQuery?
B10	What Is “noconflict” Method In JQuery?
I1	What You Mean By Cdn? And advantages Of Using Cdns
I2	How We Can Check Element Exists Or Not In JQuery?
I3	How We Can Check/uncheck Radio Buttons In JQuery?
I4	Which Methods Are Used To Provide Effects?
I5	Explain Methods “children” And “find” In JQuery?
I6	Can You Give An Example For Chaining Along With Code Snippet?
I7	Explain “param” Method In JQuery? Give An Example With Code Snippet For “param” Method?



I8	How We Can Select The Specified <li> Element From The List Of <li> Elements In <ul>?
I9	In <table> Design Change The Color Of Even <tr> Elements To “green” And Change The Color Of Odd <tr> Elements To “blue” Color? Give An Example Code?
I10	How We Can Implement Animation Effects In JQuery?
A1	Apply jQuery validation using library.
A2	Create custom dynamic function for require field validator.
A3	Get state data by country selection (Ajax).
A4	Image uploading with preview.



## **Module-4**

### **Topic – Web Services**

1.	Create web-services which fetch the data from server by json_encode and also decode it.
2.	Try with Ajax on (que 1)

**Module-5****Topic – CodeIgniter**

	<b><u>Admin Side</u></b>
1.	Create Static Admin table insert a username and password.
2.	From admin login insert Brand in Brand table (can ADD,EDIT,DELETE)
3.	From admin login insert category in category table(can ADD,EDIT,DELETE)
4.	From admin login insert sub category in sub category table (can ADD,EDIT,DELETE).
5.	At last add the Product with following fields (can ADD,EDIT,DELETE) <ul style="list-style-type: none"><li>i. Product Name</li><li>ii. Product manu.date</li><li>iii. Product brand</li><li>iv. Product category</li><li>v. Product sub category (by ajax)</li><li>vi. Color (checkbox)</li><li>vii. Size(checkbox)</li><li>viii. Product image</li><li>ix. Product Description</li></ul>
	<b><u>User Side</u></b>
1.	Registration (username , password , gender , hobbies , country).
2.	Login with (Session & Cookie).
3.	Search the product by <ul style="list-style-type: none"><li>i. Name (Ajax)</li><li>ii. Category (Ajax)</li></ul> (load the result in JQuery Data Table)
4.	Add to cart (Use CI cart library) <ul style="list-style-type: none"><li>i. Use CI Form Validations in above Form.</li><li>ii. User User and Admin Temples to Complete Above Task.</li></ul>