

Government Science College, Valod

Subject: Fundamentals of PHP

Teacher : Mayurkumar Marolia

Practical List of Unit-4

1.	<p>Develop an application (Personal) that accepts personal information from user in registration page (registration.php) and display all registered information with registration date and time in Profile Page (profile.php). Also find and display age of registered person.</p> <p>Personal Information (Name, Gender, Date of Birth, Blood Group)</p> <p>Apply all Validations on necessary fields.</p>
2.	<p>Develop an application (Contact) that accepts Contact information from user in registration page (registration.php) and display all registered information with registration date and time in Profile Page (profile.php).</p> <p>Contact Information (Name, Address, State, City, Pin code, Email, Phone No., Mobile No., Social App, Social App No., Profile)</p> <p>Apply all Validations on necessary fields.</p>
3.	<p>Develop an application (Login) that accepts Login information from user in registration page (registration .php) and display all registered information with registration date and time in Profile Page (profile.php).</p> <p>Login Information (Name, Username, Password, Confirm, Email, Security Question, Answer, captcha)</p> <p>Apply all Validations on necessary fields.</p>
4.	<p>Develop an application (Academic) that accepts Academic information from user in registration page (registration .php) and display all registered information with registration date and time in Profile Page (profile.php).</p> <p>Calculate and display Merit No. according to Qualifications.</p> <p>Academic Information (Name, 10th Percentage, 12th Percentage, Graduation, Percentage (Graduation) , Post-Graduation, Percentage(P.G.), Post-Graduation Diploma, Certificate Levels (International, National, State, Local, No. of Certificate, Research Paper (International, National), No. of Certificate)</p> <p>Apply all Validations on necessary fields.</p>
5.	<p>Develop an application (Marksheet) that accepts marks of five different subjects on Marks Page (marks.php) and calculate and display Total, Percentage and Obtained class of Student. Display Marksheet (marksheet.php) in Proper format with greet Message.</p> <p>Apply all Validations on necessary fields.</p>
6.	<p>Develop an application (Paycheque) that accepts employee information and calculate and display net salary of employee.</p>

	<p>Employee Information (Emp Id, Name, Designation { Manager, Executive, Clerk, Peon }, Basic Salary) Allowance (Grade Pay, D.A. (50%), H.R.A. (20%), and Medical (5%)) Deduction (Prof. Tax (5%) , E.P.F. (12.5 %), Insurance) Grade Pay (Manager:15,000, Executive: 10000, Clerk: 7000, Peon: 4500) Insurance (Manager: 15000, Executive: 10000, Clerk: 5000, Peon: 2500) Basic Salary (Peon: 7000-10000, Clerk: 15000-30000, Executive: 20000-55000, Manager: 75000-120000) Net Salary Exceeds 100000 subject to Imperial Tax 10 %.</p>										
7.	<p>Develop an application Interest Calculator (Interest) that accepts Amount Information (Interest.php) from user and calculate and display Interest for an amount on same page. Constraints: Information (Principle, A/c Type, Duration, Interest Type, Interest Rate) A/c Type (Current (7%, S.I.), Saving (7%, S.I.), Senior Citizen (11%, C.I.), Female (9%), Fixed Deposit (12%, C.I.).Duration will be in Month. Minimum Amount: 1000. Interest exceeds 50000 subject to surcharge interest 5%. Interest exceeds 100000 subject to surcharge interest 10%.</p>										
8.	<p>Develop an application (LoginApp) for Login Page (login.php) that accepts Username and Password. Upon successful login, it will redirect to Welcome page (welcome.php) that greet user and display greeting message according to time. The welcome page also displays all the link of form based applications. E.g. Hello! <Username> Good Morning....</p>										
9.	<p>Develop a script that accepts a Number from User and display Digit Report. Digit Report display followings:</p> <table> <tr> <td>1. Original Number</td><td>6. Palindrome Number (Yes/No)</td></tr> <tr> <td>2. Reverse Number</td><td>7. Armstrong Number (Yes/No)</td></tr> <tr> <td>3. Odd Numbers</td><td>8. Sum of Even Digits</td></tr> <tr> <td>4. Even Numbers</td><td>9. Sum of Odd Digits</td></tr> <tr> <td>5. Sum of Digits</td><td></td></tr> </table>	1. Original Number	6. Palindrome Number (Yes/No)	2. Reverse Number	7. Armstrong Number (Yes/No)	3. Odd Numbers	8. Sum of Even Digits	4. Even Numbers	9. Sum of Odd Digits	5. Sum of Digits	
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10.	<p>Develop a Script that accepts two Numbers (N1 and N2) that form a range and print following series based on user choice. If $N1 < N2$ print series in ascending order, otherwise descending order. $N1 \leq N2$.</p> <ol style="list-style-type: none"> 1. Series of Natural Numbers 2. Series of Odd Numbers 3. Series of Even Numbers 4. Series of Prime Numbers 5. Series of Armstrong Numbers 6. Series of Palindrome Numbers 										

	7. Divisible by N Number
11.	<p>Develop a Script that accepts a String from user and Print String Report.</p> <ol style="list-style-type: none"> 1. Original String 2. Reverse the String 3. Length of String 4. No. of Words 5. No. of Palindrome Words 6. No. of Vowels 7. Frequency of each Words (on multiple occurrence)
12.	<p>Develop a Script that accepts a String from user and perform String Operations.</p> <ol style="list-style-type: none"> 1. Search for String 2. Sub String 3. Replace a String
13.	<p>Create a Web application for “Aadhar Enrolment (UID) Form” (Main.php) for individual. The Main Form displays Links of Registration Form and Profile page. The Registration Form (<i>Registration.php</i>) accepts all individual’s Information. The Profile Page (<i>Profile.php</i>) displays all Customer information in tabular manner from Database. On Successful submission of Registration page (<i>Registration.php</i>), data should be store in one the Database table (including EID⁴) and display confirmation page (<i>Confirm.php</i>) that will display Enrollment ID ⁴ and Link of Profile Page (<i>Profile.php</i>) . Apply necessary validations to appropriate input fields.</p> <p>Sample Input Fields:</p> <p>Personal Information (Full Name, Gender (Male, Female, Transgender), Date of Birth, Age¹ , (Declare, Verified)²)</p> <p>Contact Information (Address, House No./Bldg./Appt., Street/Road/Lane, Landmark, Area/Locality/Sector, Village/Town/City, State, District, Sub-District, Pin code, Email, Mobile No.)</p> <p>Other (Share Information (Yes/No))</p> <p>Verification Type (Document Based, Introducer Based, Head of Family)</p> <p>POI⁶ (EPIC, Passport, Driving License)</p> <p>POA⁶ (EPIC, Passport, Driving License, Ration Card, Bank Statement/Passbook)</p> <p>PDOB⁶ (Birth Certificate, Passport, School L.C.)²</p> <p>Date⁵, Confirm³</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. Age must be calculated automatically from Date of Birth. 2. If Age is Verified then PDOB field is Enabled, otherwise disabled) 3. If confirmation is not given then prevent the submission of the form. 4. Generate Enrollment ID (EID) from current timestamp. (e.g. if Submission Date and Time is 27/04/2015 12:45:10 then EID will be 27042015124510) 5. Date is current date and appeared automatically. 6. POI – Proof of Identity, POA – Proof of Address, PDOB – Proof of Date of Birth
14.	<p>Create a Web Application for “Know your Client (KYC)” Application Form (<i>Main.php</i>) for Banking. The Main Form displays Links of Registration Form and Profile page. The Registration Form (<i>Registration.php</i>) accepts all Customer Information. The Profile Page (<i>Profile.php</i>) displays all Customer information in tabular manner. On successful</p>

	<p>submission of Registration Form (<i>Registration.php</i>), redirect to Profile Page (Profile.php). Provide necessary validations for appropriate input fields.</p> <p>Sample Inputs</p> <p>A/c Details (A/c No., Branch Name)</p> <p>Identity Details (Name, Father's/Spouse Name, Gender (Male, Female, Transgender), Marital Status (Single, Married), Date of Birth, Nationality (India, other)¹, Other¹, Status(Resident Individual, Non Resident, Foreign National)², PAN, [UID/Aadhaar Number], Proof of Identity(UID(Aadhar), Passport, Voter ID, Driving License)³</p> <p>Address Details(Address, Country , State, City/Town/Village, Pin code)</p> <p>Contact Details(Telephone No, Mobile No, Email ID, Proof of Address(Passport, Ration Card, Driving License, Voter ID, Bank A/c Passbook, Gas/Electricity Bill)³</p> <p>Other Details (Gross Annual Income(below 1 Lac, 1-5 Lac, 5-10 Lac, 10-25 Lac, > 25 Lac)</p> <p>Occupation(Private Sector Service, Public Sector, Government Service, Business, Professional, Agriculturist, Housewife, Student)</p> <p>Date⁵, Confirm⁶</p> <p>Note:</p> <ol style="list-style-type: none"> 1. If Nationality is other than India then an input filed of other is enabled, otherwise disabled. 2. If Status is Foreign National than Auto Select Passport from Proof of Identity. 3. Proof of Identity and Proof of Address could not be same document. 4. Input field indicated in [] are optional. 5. Date will be current date and provided automatically. 6. If confirmation is not given then prevent the submission of the form.
15.	<p>Create a Web Application for “Registration for Electoral roll”. The Main Form (Main.php) displays link for Registration page (Registration.php) and Profile Page (Profile.php). The Registration form (Registration.php) accepts all information from individuals. The Profile Page (<i>Profile.php</i>) displays all Customer information in tabular manner. On Successful submission, display confirmation page (<i>Confirm.php</i>) that will display Electoral ID³ and Link of Profile Page (<i>Profile.php</i>).</p> <p>Sample Input Fields</p> <p>Applicant Details (Name, Surname (If any)), Gender(Male, Female, Others), Date of Birth, Age as on 1st January 2015, Place of Birth, State, District, Village/Town, Father's Name(Name, Surname)</p> <p>Full Address (House/Door No., Street/Area/Locality/Road, Town/Village, Post Office, Pin code, Sub-District, District, State)</p> <p>Date², Confirm⁴</p> <p>Notes:-</p> <ol style="list-style-type: none"> 1. Calculate age as on January 1st , 2015 2. Date is current date and appeared automatically. 3. The Electoral ID is in the form of GJ/26/01/1234 26 – If District is selected as “Vyara”, the value for District is 26 01 – If Sub-District is selected as “Valod”, the value for Sub-District is 01 1234 – Individual's Electoral Roll No. Assign arbitrary values to District and Sub-District. 4. If confirmation is not given then prevent the submission of the form. <p>Hint: Set Numeric Value in Option tag of Select element of Address Fields.</p>
16.	<p>Develop an application for online Job Registration that accepts Personal Information, Contact Information, Login Information, and Academic Information</p>

	from user. On successful registration user redirect to login page. On successful login, welcome page greet the user and provide links for all information page. On logout user redirect to login page.										
17.	<p>Develop an application for purchasing (Purchasing) of an item. Accepts Item information from user and calculate and display total bill in Proper format. Item Information (Item Category, Item Name, Unit Price, Quantity, Discount. Bill displays following information:-</p> <table> <tr> <td>1. Purchase Date</td><td>6. Service Tax</td></tr> <tr> <td>2. Item Name</td><td>7. VAT</td></tr> <tr> <td>3. Unit Price</td><td>8. TDS</td></tr> <tr> <td>4. Quantity</td><td>9. Total Amount</td></tr> <tr> <td>5. Discount</td><td></td></tr> </table>	1. Purchase Date	6. Service Tax	2. Item Name	7. VAT	3. Unit Price	8. TDS	4. Quantity	9. Total Amount	5. Discount	
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18.	<p>Develop an application for Online Payment System (E-Payment). The System accepts following information from user.</p> <ol style="list-style-type: none"> 1. Initial Amount of User 2. Bill Amount to be paid 3. Payment Method (Debit Card, Credit Card, Cash on Delivery, Net Banking, etc.) 4. Display Transactional Data 										