

**Program number 1 : perfect, abundant or deficient****Date :**

**Write a JavaScript program to check whether a given number is perfect, abundant or deficient. Use an alert box to display the output.**

```
<html>
<body>
<h3>Enter the Number</h3><br>
<input type="text" id="number"/>
<button onclick="number()"> Submit </button>
<script>
function number()
{
var no=document.getElementById("number").value;
var sum=0;
for(var i=1;i<no;i++)
{
if(no%i == 0)
sum = sum + i;
}
if(sum == no )
alert("Perfect Number");
else if(sum > no)
alert("Abundant Number");
else
alert("Deficient Number");
}
</script>
</body>
</html>
```

**Input Design:**

---

**Enter the Number**

**Program number 2 : Triangle Type**

**Date :**

**Write a JavaScript program to check whether the given sides can form a triangle. If yes, find the type (isoceles, equilateral and scalene) and area of the triangle. Use prompt box to accept the slides.**

```
<html>
<head><title>Triangle Check</title></head>
<body>
<script>
var a=parseFloat(prompt("enter first side"));
var b=parseFloat(prompt("enter second side"));
var c=parseFloat(prompt("enter third side"));
if(a+b>c && b+c>a && a+c>b)
{
if(a==b && b==c)
{
alert("side can form equilateral triangle");
}
else if(a==b||a==c||b==c)
{
alert("side can form isoceles triangle");
}
else
{
alert("side can form scalene triangle");
}
var s=(a+b+c)/2;
var area=(s*s-a)*(s-b)*(s-c)**0.5;
alert("area of triangle = "+area);}
else
{
alert("sides can't form a triangle");
}
</script>
</body>
</html>
```

## **Input Design:**

enter first side

**Cancel** **OK**

enter second side

Prevent this page from creating additional dialogs

**Cancel** **OK**

enter third side

Prevent this page from creating additional dialogs

**Cancel** **OK**

**Program number 3 : Calculator**

**Date :**

**Design a form that accepts two integers. Provide 4 buttons for Add, Subtract, Multiply, Divide. Add JavaScript program to add, subtract, multiply and divide the given numbers when these buttons are clicked. Use an output element to display the results.**

```
<html>
<head>
<title>Arithmetic operation</title>
</head>
<body>
<form>
<h1>Arithmetic operation</h1>
```

```
Enter the number1 :<input type="text" id="num1"><br><br>
Enter the number2 :<input type="text" id="num2"><br><br>
<button onClick="add()">Add</button>
<button onClick="sub()">Subtract</button>
<button onClick="multi()">Multiply</button>
<button onClick="div()">Divide</button><br><br>
<p id = "result" > </p></form>
<script>
var x,y;
function getvalue()
{
x=parseInt(document.getElementById("num1").value);
y=parseInt(document.getElementById("num2").value);
}
function add()
{
getvalue();
var sum = x+y;
alert ("sum is" +sum);
}
function multi()
{
getvalue();
var multi = x*y;
alert ("product is" +multi);
}
function div()
{
getvalue();
var div = x/y;
alert ("quotient is" +div);
}
function sub()
{
getvalue();
var sub = x-y;alert ("difference is" +sub);
}
</script>
</body>
</html>
```

**Input Design:**

## Arithmetic operation

Enter the number1 :

Enter the number2 :

**Program number 4 : Array**

**Date :**

**Write a JavaScript program to store different colors in an array and change the background color of the page using these array elements.**

```
<html>
<head>
<title>color</title>
</head>
<body>
<h1>Change background color</h1>
<button onclick="change()">click here</button>
<script>
function change()
{
var color=["blue","red","orange","yellow","green","violet"];
var i=parseInt(Math.random()*color.length);
document.bgColor = color[i];
}
</script>
</body>
</html>
```

**Input Design:**

## Change background color

**Program number 5 : Clock****Date :****Write a javascript program to create clock with a timing event.**

```
<!DOCTYPE html>
<html lang>
<head>
<title>Digital Clock</title>
</head>
<body>
<div id="clock"></div>
<script>
function currentTime() {
let date = new Date();
let hh = date.getHours();
let mm = date.getMinutes();
let ss = date.getSeconds();
let session = "AM";
if(hh == 0)
{
hh = 12;
}
if(hh > 12)
{
hh = hh - 12;
session = "PM";
}
hh = (hh < 10) ? "0" + hh : hh;mm = (mm < 10) ? "0" + mm : mm;
ss = (ss < 10) ? "0" + ss : ss;
let time = hh + ":" + mm + ":" + ss + " " + session;
document.getElementById("clock").innerText = time;
let t = setTimeout(function(){ currentTime() }, 1000);
}
currentTime();
</script>
</body>
</html>
```

**Input Design :**

---

03:34:27 PM

## **Program number 6 : Email Validation**

**Date :**

**Write a JavaScript Program to validate email based on the following condition**

- ➤ Mail id must contain the @ and . character
- ➤ There must be at least one character before and after the @.
- ➤ There must be at least two characters after . (dot).

```
<!DOCTYPE html>
<html>
<head>
<title>Email validator</title>
</head>
<body>
<input type="text" id="email">
<button
onclick="validate(document.getElementById('email').value)">Check</button>
<p id="msg"></p>
<script>
function validate(email)
{
var pattern = /^[a-zA-Z0-9._]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,4}$/;
if (pattern.test(email))
{
document.getElementById('msg').textContent = "Email is
valid.";
}
else
{
document.getElementById('msg').textContent = "Email is not
valid.";
}
}
</script>
</body>
</html>
```

**Input Design :**

---

Check

## **Program number 7 : Password Validation**

**Date :**

**Write a JavaScript program for Password validation based on the following condition**

- ➤ **Password and confirm password must be same**
- ➤ **Length of password must be greater than 8 characters**

```
<html>
<head>
<title>Password</title>
<body>
Password: <input type="password" id="a"><br>
Confirm password: <input type="password" id="b">
<p id="show"></p>
<button onclick="matchPassword()">Submit</button>
<script>
function matchPassword()
{
var a=document.getElementById("a").value;
var b=document.getElementById("b").value;
if(a==b)
{
document.getElementById('show').innerHTML="Password
created";
}
else
{
document.getElementById('show').innerHTML="Password
didnt match";
}
if(a.length<=8)
{
document.getElementById('show').innerHTML="Password must
be greater than 8";
}
}
</script>
</body>
</head>
</html>
```

## **Input Design :**

---

Password:

Confirm password:

## **Program number 8 : Sum of Elements in Array**

**Date :**

**Write a JavaScript Program to create an Array and read values using Prompt popup box and display the sum of elements in an Alert Box.**

```
<html>
<head>
<title>Sum of array</title>
</head>
<body>
<script>
var array=[];
var n = parseInt(prompt("Enter the number of elements in the array:"));
for (var i=0;i<n;i++) {
var value = parseInt(prompt("Enter element " + (i + 1) + ":")); 
array.push(value);
}
var sum=0;
for (var i=0;i<array.length;i++) {
sum+=array[i];
}
alert("The sum of elements is: " + sum);
</script>
</body>
</html>
```

## **Input Design :**

Enter the number of elements in the array:

**Cancel** **OK**

Enter element 1:

Prevent this page from creating additional dialogs

Cancel

OK

Enter element 2:

Prevent this page from creating additional dialogs

Cancel

OK

### **Program number 9 : Onfocus and Onblur**

**Date :**

**Change the text colour and back colour of a text box using onfocus and onblur ever.**

```
<html>
<body>
Enter the string
<input type="text" id="txt" onfocus="txt_color()" onblur="txt_back_color()">
<script type="text/javascript">
function txt_color()
{
document.getElementById("txt").style.color="yellow";
document.getElementById("txt").style.background="red";
}
function txt_back_color()
{
document.getElementById("txt").style.color="pink";
document.getElementById("txt").style.background="green";
}
</script>
</body>
</html>
```

## **Input Design :**

---

Enter the string

## **Program number 10 : Capital of a Country**

**Date :**

**Write a JavaScript program to display Capital of a country using onchange event. The country is selected from a select box and capital is displayed on a TextBox.**

```
<html>
<body>
Select the country from the list<br>
<select id="mySelect" onChange="display()">
<option value="New Delhi"> India</option>
<option value="Moscow"> Russia</option>
<option value="Berlin"> Germany</option>
<option value="Rome"> Italy</option>
<option value="Paris"> France</option>
<option value="Madrid"> Spain</option>
<option value="Brussels"> Belgium</option>
<option value="Athens"> Greece</option>
<option value="Ottawa"> Canada</option>
</select><br><br>
<input type="text" id="txt">
<script>
function display()
{
var x = document.getElementById("mySelect").value;
document.getElementById("txt").value=x;
}
</script>
</body>
</html>
```

## **Input Design :**

Select the country from the list

**Program number 11 : Sunday in Year**

**Date :**

**Write a JavaScript program to find 1st January be a Sunday between a range of years.**

```
<!DOCTYPE html>
<html>
<head>
<title>Find First January on Sunday</title>
</head>
<body>
<h1>Find First January on Sunday</h1>
<form>
<label for="startYear">Start Year:</label>
<input type="number" id="startYear">
<br>
<label for="endYear">End Year:</label>
<input type="number" id="endYear">
<br>
<button type="submit" onclick="findSunday()">Find</button>
</form>
<script>
function findSunday()
{
var startYear = document.getElementById("startYear").value;
var endYear = document.getElementById("endYear").value;
if(startYear <= endYear)
{
for (let year = startYear; year <= endYear; year++)
{
const date = new Date(year, 0, 1);
if (date.getDay() === 0)
{
var flag = 1;
document.write("1st of january "+year+" is sunday <br>");
}
}
if (flag!=1)
{
```

```
        alert("No years start with sunday within the given range.");
    }
}
else
{alert("startyear must be <= endyear");
}
}
</script>
</body>
</html>
```

**Input Design :**

## Find First January on Sunday

Start Year:  ▼

End Year:  ▼

**Create a PHP program to display the bio data of a person by reading the personal details using an HTML page.**

```
<html>
<body>
<h1>BIO DATA</h1>

<form action="" method="post">
Name:<input type="text" name="name" /><br>
Date of birth :<input type="text" name="dob" /><br>
Gender :<input type="radio" name="gender" value="male"> Male
<input type="radio" name="gender" value="female"> Female<br>
Educational qualification : <select name="qualification">
<option value="Plus Two">Plus Two</option>
<option value="Degree">Degree</option>
<option value="PG">PG</option>
</select><br>
Name of father :<input type="text" name="fname" /><br>
Name of mother :<input type="text" name="mname" /><br>
Phone number:<input type="number" name="phone"><br>
<input type="submit" value="Submit" /><br>
</form>

</body>
</html>

<?php
if($_POST)
{
$name=$_POST['name'];
$dob=$_POST['dob'];
$gender=$_POST['gender'];
$qualification=$_POST['qualification'];
$fname=$_POST['fname'];
$mname=$_POST['mname'];
$phone=$_POST['phone'];
echo "<br><br><b>Personal Details<br></b>";
echo ".....<br>";
echo "Name : $name <br>";
echo "Date of Birth : $dob <br>";
echo "Gender : $gender <br>";
echo "Qualification : $qualification <br>";
```

```
echo "Name of father : $fname <br>";
echo "Name of mother : $mname <br>";
echo "Phone number : $phone <br><b>";
}
?>
```

**Input Design:**

---

## BIO DATA

Name:

Date of birth :

Gender :  Male  Female

Educational qualification :

Name of father :

Name of mother :

Phone number:

**Program number 13 : Reverse a String**

**Date : 20/09/23**

**Write a PHP function to reverse a string.**

```
<html>
<body>
<form action="" method="post">
Enter the string :<input type="text" name="str" /><br>
<input type="submit" value="Reverse" /><br>
</form>
</body>
</html>
<?php
if($_POST)
{
$str=$_POST['str'];
```

```

reverse($str);
}
function reverse($str)
{
$length = strlen($str);
for ($i=($length-1) ; $i >= 0 ; $i--)
{
echo $str[$i];
}
}
?>

```

### **Input Design:**

---

Enter the string :

**Program number 14 : Perfect, Abundant, Deficient**

**Date : 20/09/23**

**Write a PHP program to check whether a given number is perfect, abundant or deficient.**

```

<html>
<body>
<h3>Enter the Number</h3><br>
<form action="" method="post">
<input type="text" name="number" />
<input type="submit" />
</form>
</body>
</html>
<?php
if($_POST)
{
$no = $_POST['number'];
$sum = 0;

```

```

for ($i = 1; $i < $no; $i++)
{
if ($no % $i == 0)
$sum = $sum + $i;
}
if( $sum == $no )
echo "Perfect Number";
else if($sum > $no)
echo "Abundant Number";
else
echo "Deficient Number";
}
?>

```

### **Input Design:**

#### **Enter the Number**

 

**Program number 15 : Login Page**

**Date : 26/09/23**

**Create a login page using database.**

```

<html>
<head>
</head>
<body>
<form action="" method="POST">
Username:<input type="text" name="usr"><br><br>
Password:<input type="password" name="pass"><br><br><br>
<input type="submit" value="login">
</form>
</body>
</html>
<?php
if($_POST)
{

```

```

$usr1=$_POST['usr'];
$paswd=$_POST['pass'];
$con=pg_connect("host=localhost dbname=college user=postgres
password=ihrd2020");
if($con)
{
echo "Successfully Connected.....";
$qry="select username,password from login where username='$usr1' and
password='$paswd'";
$result=pg_query($con,$qry);
$nos=pg_num_rows($result);
if($nos)
echo "<br> $usr1, You are Logged Successfully...";
else
echo "Login Denied";
}
else
echo "no connection";
}
?>

```

### **Input Design:**

Username:

Password:

**Program number 16 : Mark List**

**Date : 26/09/23**

**Create a table student with fields roll no, name, mark, grade. Insert some records in the table. Write a PHP program to display the mark list of a student by accepting the register no of the student.**

```

<html>
<head>
<title>Marklist</title>
</head>
<body>

```

```

<h3>Marksheet</h3>
<form method="POST" action="">
Regno:<input type="text" name="reg"/><br><br><br>
<input type="submit" value="show">
</form>
</body>
</html>

<?php
if($_POST)
{
$rg=$_POST['reg'];
$con=pg_connect("host=localhost dbname=college user=postgres
password=ihrd2020");
if($con)
{
echo "Successfully Connected...";
$qry="SELECT * FROM marklist where rollno ='$rg'";
$result=pg_query($con,$qry);
$nos=pg_num_rows($result);

while($row=pg_fetch_row($result))
{
echo "<br>\n";
echo "rollno: $row[0] <br> name: $row[1] <br> mark: $row[2] <br> grade:$row[3]";
}
}
else
echo "No connection";
}
?>

```

### **Input Design:**

---

### **Marksheet**

Regno:

**Write a PHP application to generate the pay slip of an employee by accepting name, basic salary and designation. The net salary will be calculated based on the following conditions.**

Designation conveyance extra allowance allowance	Income tax
Manager 1000	Gross upto 2500 0
500	Gross upto 4000 3%
Supervisor 750	Gross upto 5000 5%
200	Gross >5000 8%
Clerk 500	
100	
Peon 250	
HRA – 25 %	Gross= basic + HRA + conveyance + extra
	Net = Gross – Income tax

### P6.html

```

<html>
<head>
<title>Employee details</title>
</head>
<body>
<form action="p6.php" method="post">
<center> <h1>Employee details</h1> </center>
<br><br><br>
<table align = "center">
<tr>
<td>Employee Name</td>
<td><input type="text" name="nam"></td>

```

```

</tr>
<tr>
<td>Employee designation</td>
<td><select name="design">
<option selected value="Manager">Manager</option>
<option value="Supervisor">Supervisor</option>
<option value="Clerk">Clerk</option>
<option value="Peon">Peon</option></select>
</td></tr>
<tr>
<td>Basic Salary</td>
<td><input type="text" name="sal"></td></tr>
<tr></tr>
<tr><td></td><td><input type="submit" value="SUBMIT">
</td></tr>
</table>
</form>
</body>
</html>

```

## **p6.php**

```

<html>
<head><title>employee salary</title></head>
<body>
<?php
$na=$_POST["nam"];
$des=$_POST["design"];
$basic=$_POST["sal"];
switch($des)
{
case 'Manager':
$ca=1000;
$ea=500;
break;
case 'Supervisor':
$ca=750;
$ea=200;
break;
case 'Clerk':
$ca=500;
$ea=100;
break;
case 'Peon':
$ca=250;

```

```

$ea=0;
break;
}
$hra=0.25*$basic;
$gross=$basic+$ca+$ea+$hra;
if($gross>5000)
$it=$gross*0.08;
else if($gross>4000)
$it=$gross*0.05;
else if($gross>2500)
$it=$gross*0.03;
else
$it=0;
$net=$gross-$it;
echo "<table border=1 rules=all width=50%>
<tr><td colspan=2 align=center><strong>PAYSLIP</strong></td></tr>
<tr>
<td width=50%>Employee Name</td>
<td width=50%>$na</td>
</tr>
<tr>
<td width=50%>Designation</td>
<td width=50%>$des</td>
</tr>
<tr bgcolor=eeeeee>
<td>Salary Component</td><td>Amount(in Rs)</td></tr>
<tr>
<td>Basic Salary</td>
<td>$basic</td>
</tr>
<tr>
<td>Conveyance Allowance</td>
<td>$ca</td>
</tr>
<tr>
<td>extra allowance</td>
<td>$ea</td>
</tr>
<tr>
<td>House rent allowance</td>
<td>$hra</td>
</tr>
<tr bgcolor=eeeeeee>
<td>Gross Salary</td>
<td>$gross</td>

```

```

</tr>
<tr bgcolor=eeeeee>
<td>Income tax Deduction</td>
<td>$it</td>
</tr>
<tr bgcolor=eeeeee>
<td><strong>Net Salary</strong></td>
<td><h3>$net</h3></td>
</tr>
</table>";
?>
<input type=button name=click value="prepare another payslip" onclick=
"parent.location='p6.html' ">
</body>
</html>

```

### **Input Design:**

## **Employee details**

Employee Name	<input type="text"/>
Employee designation	<input type="text" value="Manager"/>
Basic Salary	<input type="text"/>
<input type="button" value="SUBMIT"/>	

**Program number 18 : Cookie**

**Date : 04/10/23**

**PHP program to store current date-time in a cookie and display the Last visited date-time on the web page upon revisiting the same web page.**

```

<html>
<body bgcolor="yellow">
<h2> Last visited time on the web page</h2>
<br>
<?php
$intm = 60 * 60 * 24 * 60 + time();

```

```

setcookie('lastVisit', date("G:i - m/d/y"), $intm);
if(isset($_COOKIE['lastVisit']))
{
$visit = $_COOKIE['lastVisit'];
echo "Your last visit was - ". $visit;
}
else
echo "You have got some state cookies!";
?>
</body>
</html>

```

### **Input Design:**

No input design

**Program number 19 : Product**

**Date : 04/10/23**

**Create a table product with fields itemcode, itemname, unitprice. Write PHP program to insert 5 records into the table and display it in a table format.**

### **P8.html**

```

<html>
<head>
<title>Stock details</title>
</head>
<body>
<form action="p8.php" method="post">
<center>
<h1>Stock Details</h1>
<table>
<tr>
<td>Item code</td>
<td><input type="text" name="code"></td>
</tr>
<tr>
<td>Item name</td>
<td><input type="text" name="name"></td>
</tr>
<tr>
<td>Price</td>
<td><input type="text" name="price"></td>
</tr>
<tr>

```

```
<td></td>
<td><input type="submit" value="SUBMIT"></td>
</tr>
</table>
</center>
</form>
</body>
</html>
<html>
<body>
```

## **p8.php**

```
<html>
<body>
<?php
$code=$_POST['code'];
$name=$_POST['name'];
$price=$_POST['price'];
$con=pg_connect("host=localhost dbname=college user=postgres
password=ihrd2020") or die("Cannot Connect");
$sql="INSERT INTO product VALUES('$code','$name','$price')";
$res=pg_query($con,$sql);
if($res){
echo "New record created successfully";
}
else
{
echo "Cannot insert".pg_last_error();
exit(0);
}
$sql="SELECT * from product";
$result=pg_query($con,$sql);
if(!$result){
echo "Could not run query:".pg_last_error();
}
echo"<h2>INVENTORY DETAILS</h2>";
echo "<br>";
echo "<table border=2>
<tr>
<th>Item code</th>
<th>Item Name</th>
<th>unit price</th>
</tr><tr>";
while($row=pg_fetch_row($result))
```

```
{  
echo "<tr><td>$row[0]</td><td>$row[1]</td><td>$row[2]</td></tr>";  
}  
?  
<form>  
<input type="button" name="click" value="Insert again"  
onclick="parent.location='p8.html'">  
</body>  
</form>  
</html>
```

**Input Design:**

## Stock Details

Item code	<input type="text"/>
Item name	<input type="text"/>
Price	<input type="text"/>
<input type="button" value="SUBMIT"/>	

## **Program number 20 : Update Balance**

Date : 26/09/23

Create a table bank with the following fields accno, cust\_name, balance. Insert some records. Design HTML page to accept account number and amount using text boxes and type of transaction (Deposit or Withdrawal) using Radio Button. Write PHP program to update balance according to the transaction.

```

<html>
<head></head>
<body>
<form action="" method="post">
<h1>BANK BALANCE</h1>
<br><br><table>
<tr><td>Account number : </td><td><input type="text" name="number"></td></tr>
<tr><td>Amount : </td><td><input type="text" name="amount"></td></tr>
<tr><td>Type of Transaction: </td><td><input type="radio" name="transaction" value="deposit">Deposit
<input type="radio" name="transaction" value="withdrawal">Withdrawal</td></tr>
<tr><td></td><td> <input type="submit" value="UPDATE"></td></tr></table>
</form>
</body>
</html>
<?php
if($_POST)
{
$accno=$_POST['number'];
$amount=$_POST['amount'];
$transaction=$_POST['transaction'];
$con=pg_connect("host=localhost dbname=college user=postgres password=ihrd2020") or
die("Cannot Connect");
if($con)
{
$qry="select * from bank where accno='$accno'";
$result=pg_query($con,$qry);
while($row=pg_fetch_row($result))
{
$oldbalance=$row[2];
echo "<table border=1 align=center>
<tr><th colspan=2>OLD BANK BALANCE</th></tr>
<tr><td>Account No</td><td>$row[0]</td></tr>
<tr><td>Balance</td><td>$row[2]</td></tr>
</table><br>":
```

```

if($transaction=="withdrawal")
{
$newbalance=$oldbalance-$amount;
$updateqry="UPDATE bank set balance='$newbalance' where accno='$accno'";
$updateresult=pg_query($con,$updateqry);
if($updateresult)
{
//echo "Updated Bank Balance=$newbalance";
echo "<table border=1 align=center>
<tr><th colspan=2>NEW BANK BALANCE</th></tr>
<tr><td>Account No</td><td>$row[0]</td></tr>
<tr><td>Balance</td><td>$newbalance</td></tr>
</table>";
}
else
{
echo "Updation Failed";
}
}
else
{
$newbalance=$oldbalance+$amount;
$updatequery="update bank set balance='$newbalance' where accno='$accno'";
$updateresult=pg_query($con,$updatequery);
if($updateresult)
{
echo "<table border=1 align=center>
<tr>
<th colspan=2>NEW BANK BALANCE</th>
</tr>
<tr>
<td>Account Number</td>
<td>$row[0]</td>
</tr>
<tr>
<td>Balance</td>
<td>$newbalance</td>
</tr>
</table>";
}
}
}
}
}
?>

```

**Input Design:**

# BANK BALANCE

Account number :

Amount :

Type of Transaction:  Deposit  Withdrawal

**Program number 21: Selected Fruits**

**Date : 26/09/23**

**Write an HTML page to display a list of fruits in a list box. Write a php program to display the selected fruits in a webpage.**

```
<html>
<body>
<form action="" method="POST">
Choose Your Favorite Fruit
<select name="f">
<option value="">(Please Select)</option>
<option value="Grape">Grape</option>
<option value="Banana">Banana</option>
<option value="Chicku">Chicku</option>
<option value="Apple">Apple</option>
<option value="Orange">Orange</option>
<option value="Pine Apple">Pine Apple</option>
</select>
<input type="submit" value="SELECT">
</form>
</body>
</html>
<?php
if($_POST)
{
echo "<h2> You have indicated that you like " .$_POST['f']. "</h2>";
```

```
}
```

```
?>
```

## Input Design:

Choose Your Favorite Fruit

### Program number 22: Array Operations

Date : 04/10/23

**Write a PHP program to create an array and store 10 names in the array. Do the following operations.**

- a. Display the contents using for each statement.
- b. Display the array in a sorted order.
- c. Display the array without the duplicate elements
- d. Remove the last element and display
- e. Display the array in reverse order
- f. Search an element in the given array.

```
<html>
<body>
<h2>Array Operations</h2>
<form action="" method="post">
<input type=radio name=arr value=dis>Display Array<br>
<input type=radio name=arr value=srt>Sorted Array<br>
<input type=radio name=arr value=usrt>Without Duplicate<br>
<input type=radio name=arr value=pop>Delete Last<br>
<input type=radio name=arr value=rev>Array Reverse<br>
<input type=radio name=arr value=sear>Array Search<br>
<input type=Submit><br>
</body>
</html>
<?php
$names=array("Raju","Kiran","Anu","Basheer","Athul","Jhon","Akhil","Athira",
"Kiran","Sivan");
```

```
if($_POST)
{
$val=$_POST['arr'];
switch($val)
{
case "dis" : echo "<h2>Display Array</h2>";
foreach($names as $value)
echo "<br>".$value;
break;
case "srt" : echo "<h2>Sorted Array</h2>";
sort($names);
foreach($names as $value)
echo "<br>".$value;
break;
case "usrt": echo "<h2>List unique Array elements</h2>";
$uarray=array_unique($names);
foreach($uarray as $value)
echo "<br>".$value;
break;
case "pop" : echo "<h2>Delete last element</h2>";
array_pop($names);
foreach($names as $value)
echo "<br>".$value;
break;
case "rev" : echo "<h2>Reverse Array</h2>";
$revarr=array_reverse($names);
foreach($revarr as $value)
echo "<br>".$value;
break;
case "sear": echo "<h2>Search Array element</h2>";
echo "<br>Kiran present at
index".array_search("Kiran",$names,true);
break;
}
}
?>
```

## **Input Design:**

### **Array Operations**

- Display Array
- Sorted Array
- Without Duplicate
- Delete Last
- Array Reverse
- Array Search

**Submit Query**

**Program number 23: Multiplication Table**

**Date : 04/10/23**

**Display Multiplication table using PHP and AJAX**

**mul.html:**

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Multiplication</title>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
</head>
<body>
<input type="number" placeholder="Enter number" id="number"
onblur="mul(this.value)">
<table border="1" align="center" style="text-align:center;">
<tbody id="mul"></tbody>
```

```
</table>
</body>
</html>
<script>
function mul(value)
{
$.ajax({
dataType : "json",
method:"POST",data:{value:value},
url:"ajax.php",
success:function(data)
{
$("#mul").html(data.result)
}
})
}
</script>
```

### **ajax.php:**

```
<?php
$html="";
$number = $_POST['value'];
$html.= "<tr><td colspan='2'>Multiplication".$number."</td></tr>";
for($j=1;$j<=10;$j++)
{
$html.= "<tr><td>".$j." * ".$number." = ".$number*$j."</td></tr>";
}
echo json_encode(array('result' =>$html));
?>
```

### **Input Design:**

---

**Write a PHP script to upload the file to the server through HTML Page**

```
<!DOCTYPE html>
<html>
<body>
<form method="POST" enctype="multipart/form-data">
Select a file to upload: <br><br>
<input type="file" name="fileToUpload" id="fileToUpload">
<input type="submit" value="Upload File" name="submit">
</form><br><br>
<br><br>
<?php
$target_dir = "../file/";
$target_file = $target_dir . basename($_FILES["fileToUpload"]["name"]);
if(move_uploaded_file($_FILES["fileToUpload"]["tmp_name"], $target_file)) {
echo "The file ". htmlspecialchars( basename(
$_FILES["fileToUpload"]["name"])))." has been uploaded.";
}
else {
echo "No file selected .";
}
?>
</body>
</html>
```

**Input Design:**

---

Select a file to upload:

No file selected.

No file selected .