



## Web technology codes - php and html

Computer Practical (Nirmala College)



Scan to open on Studocu

Set-A Q1) Create a HTML document to display the following screen.

List of Indian States with thier capital

```
1. Delhi
  o NewDelhi
2. Haryana
  o Chandigarh
3. Gujarat
  o Gandhinagar
4. Rajasthan
  o Jaipur
5. Maharashtra
  o Mumbai
6. Uttarpradesh
  o Lucknow

<!DOCTYPE html>
<html>
</html>
<head>
<h1> <font size=2>List of Indian states with their capital</font> </h1>
</head>
```

```
<body>
<OL>
<LI>Delhi</LI>
<UL><LI>New Delhi</LI></UL>
<LI>Haryana</LI>
<UL><LI>Chandigarh</LI></UL>
<LI>Gujarat</LI>
<UL><LI>Gandhinagar</LI></UL>
<LI>Rajasthan</LI>
<UL><LI>Jaipur</LI></UL>
<LI>Maharashtra</LI>
<UL><LI>Mumbai</LI></UL>
<LI>Uttar Pradesh</LI>
<UL><LI>Lucknow</LI></UL>
</OL>
</body>
</html>
```

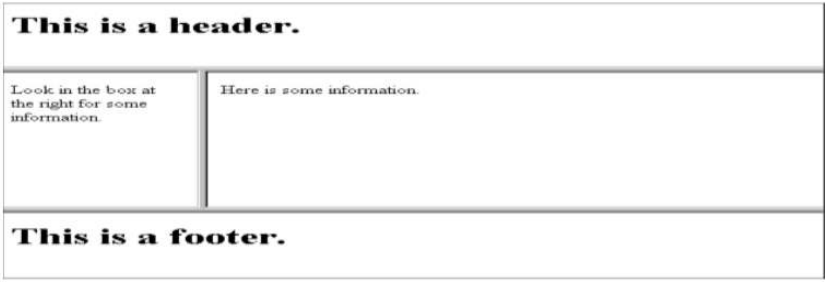
Q 2. Write a HTML code, which generate the following output

| List Of Books |                        |       |       |
|---------------|------------------------|-------|-------|
| Item No       | Item Name              | Price |       |
|               |                        | Rs    | Paise |
| 1             | Programming in Python  | 500   | 50    |
| 2             | Programming in JAVA    | 345   | 00    |
| 3             | Data Structure Using C | 285   | 00    |
| Total Cost    |                        | 1131  | 25    |

```
<!DOCTYPE html>
<html>
<body>
<table border="1">
<tr><th colspan="4"> LIST OF BOOKS </th></tr>
<tr><th rowspan="2"> ITEM No</th><th rowspan="2"> ITEM NAME</th><th colspan="2">PRICE</th></tr>
<tr><th>RS</th><th>paise</th></tr>
```

```
<tr><th>1</th><td>PROGRAMMING IN PYTHON</td><td>500</td><td>50</td></tr>
<tr><th>2</th><td>PROGRAMMING IN JAVA</td><td>385</td><td>00</td></tr>
<tr><th>3</th><td>DATA STRUCTURES USING C </td><td>285</td><td>00</td></tr>
<tr><th colspan="2"> TOTAL COST</th><th>1131</th><th>25</th></tr>
</body>
</html>
```

Q 3. Write a HTML script to design the following screen

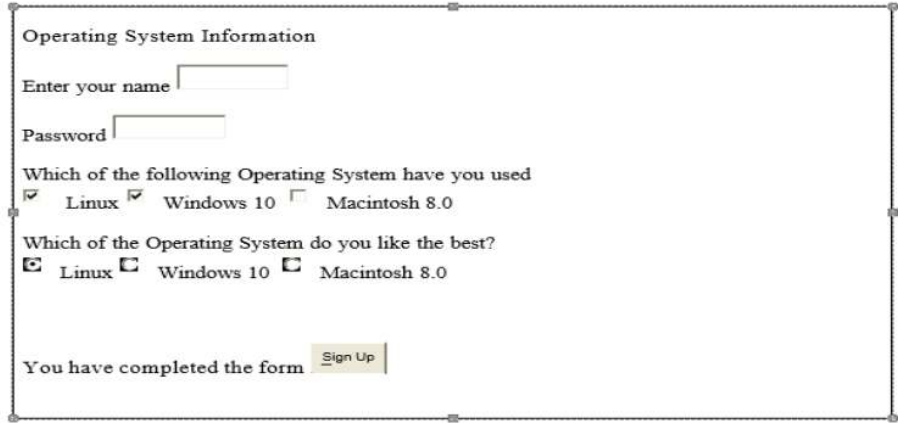


```
<!DOCTYPE html>
<html>
<body>
<div style=background:yellow;height:50px;width:1350px;>This is a header.</div>
<div style=background:orange;height:100px;width:500px;float:left;>Look in the box at the right for some information.</div>
<div style=background:skyblue;height:100px;width:850px;float:right;>Here is some information.</div>
<div style=background:lightgreen;height:150px;width:1350px;>This is a footer.</div>
</body>
</html>
```

Set-B

Q 1.

Write the HTML code for generating the form as shown below. Apply the internal CSS to following form change the font size of the heading to 6pt and change the colour to red and also change the background colour yellow



```
<!DOCTYPE html>
<html>
<head>
<style>
h1
{
font size:6px;
color:red;
}
body
{
background-color:yellow;
}
</style>
</head>
<body>
```

```

<form name=f method=get>
<fieldset>
<h1>Operating System Information</h1><br>
Enter your name<input type=text name=u><br><br>
Password<input type=password name=p><br><br>
Which of the following Operating System have you used?<br>
<input type=checkbox name=a1 value=c1>Linux
<input type=checkbox name=a2 value=c2>Windows 10
<input type=checkbox name=a3 value=c3>Macintosh 8.0<br><br>
Which of the following Operating System do you like the most?<br>
<input type=checkbox name=b1 value=d1>Linux
<input type=checkbox name=b2 value=d2>Windows 10
<input type=checkbox name=b3 value=d3>Macintosh 8.0<br><br>
You have completed the form.
<input type=submit name=s value=SignUp>
</fieldset>
</body>
</html>

```

Q 2. Write HTML5 code which generates the following output and display each element of list in different size, color & font. Use external CSS to format the list

- Non flowering plants
  - Fern
  - Spore
- Flowering plants
  - Lilly
  - Rose
    1. Red Rose
    2. Pink Rose

```

<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="A1SB2.css">
</head>
<body>
<UL><p>
<LI>Non flowering plants</LI>
<UL>
<LI>Fern</LI>
<LI>Spore</LI>
</UL>
<LI>Flowering plants</LI>
<UL>
<LI>Lily</LI>
<LI>Rose</LI>
<OL>
<LI>Red Rose</LI>
<LI>Pink Rose</LI>
</OL>
</UL>
</p></UL>
</body>

```

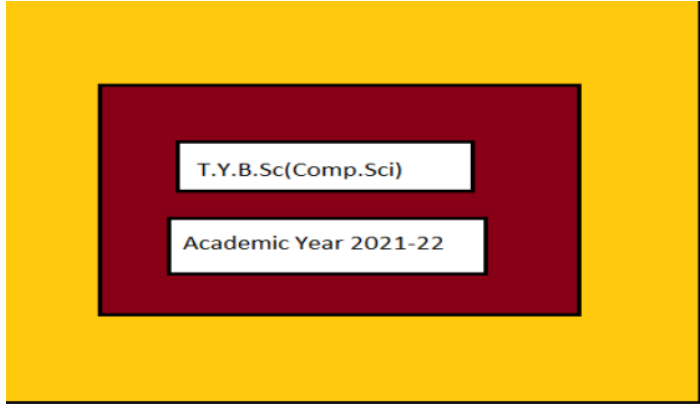
</html>

- Q 3. Create HTML5 page with following specifications
- 1. Title should be about your City.
  - 2. Colour the background by Pink colour.
  - 3. Place your city name at the top of page in large text and in blue colour
  - 4. Add names of the landmarks in your city, each in different colour, style and font
  - 5. Add scrolling text about your City.
  - 6. Add any image at the bottom. (Use inline CSS to format the web page)

```
<HTML>
<HEAD><TITLE><CENTER>My CITY</CENTER></TITLE></HEAD>
<BODY BGCOLOR="pink">
<FONT SIZE="7" FACE="ARIAL" COLOR="BLUE"><CENTER>PUNE</FONT><BR>
<BODY BGCOLOR="blue"></CENTER>
<font size="6" face="arial" color="gray"><h1>VIMAN NAGAR</h1></font><BR>
<font size="5" face="arial" color="yellow"><h2>SHANIVAR WADA</h2></font><BR>
<font size="4" face="arial" color="red"><h3>KALYANI NAGAR</h3></font><BR>
<font size="3" face="arial" color="black"><h4>KP</h4></font><BR>
<BODY BGCOLOR="PINK"><CENTER>
<MARQUEE BEHAVIOUR="SLIDE"> Wonderful Place To Visit</MARQUEE>
<MARQUEE BEHAVIOUR="SLIDE">Pune Is best City for Education</MARQUEE>
<textarea row=6 columns=6>Pune is a city. It is situated in maharashtra.It is a hub for education.It is also known as an historical
city.Pune is a city. It is situated in maharashtra.It is a hub for education.It is also known as an historical city.Pune is a city. It is
situated in maharashtra.It is a hub for education.It is also known as an historical city.</textarea>
<IMG SRC="a.jpeg" WIDTH="400" HEIGHT="400" ALT="IMAGE CAN BE DISPLAYED">
</body>
</HTML>
```

Set C

- Q 1. Design HTML 5 Page Using CSS which display the following Box (Use Box Model Property in CSS)



```
<!DOCTYPE html>
<html>
<head>
<title>CSS BOX MODEL</title>
<style type="text/css">
.main {
    font-size:40px;
    font-weight: bold;
    margin: 40px;
}

.content {
    margin-left:30px;
    margin-right:40px;
    border:5px solid black;
```

```

width: 400px;
height: 300px;
text-align:centre;
padding: 40px;
align-items:centre;
background-color: yellow;
}
.content1 {
margin-right: 50px;
margin-left: 40px;
background-color: red;
margin-top:30px;
margin-bottom:40px;
border:5px solid black;
width: 200px;
height: 100px;
text-align:centre;
padding:60px;
align-items:centre;
}
.content2 {
font-size:20px;
font-weight:bold;
color:solid black;
margin-top:15px;
background-color:white;
border-style: solid;
}
.content3 {
font-size:15px;
font-weight:bold;
color:solid black;
margin-top:5px;
background-color:white;
border-style: solid;
}
</style>
</head>
<body>
<center>
<div class= "main">CSS BOX-MODEL PROPERTY</div>
<div class= "content" align="centre">
<div class= "content1" align="centre">
<div class= "content2">T.Y.B.Sc. (Comp.Sci.)</div>
<div class= "content3">Academic Year 2022-23</div>
</center>
</div>
</body>
</html>

```

**Q 2. Design HTML 5 Page Using CSS Which Display the following Navigation Bar**

Home Java HTML CSS

```

<!DOCTYPE html>
<html>
<head>
<title>CSS BOX MODEL</title>
<style type="text/css">

```

```

.main {
    font-size:40px;
    font-weight: bold;
    margin: 40px;
}

.content {
    margin-left:30px;
    margin-right:40px;
    border:5px solid black;
    width: 400px;
    height: 300px;
    text-align:centre;
    padding: 40px;
    align-items:centre;
    background-color: yellow;
}

.content1 {
    margin-right: 50px;
    margin-left: 40px;
    background-color: red;
    margin-top:30px;
    margin-bottom:40px;
    border:5px solid black;
    width: 200px;
    height: 100px;
    text-align:centre;
    padding:60px;
    align-items:centre;
}

.content2 {
    font-size:20px;
    font-weight:bold;
    color:solid black;
    margin-top:15px;
    background-color:white;
    border-style: solid;
}

.content3 {
    font-size:15px;
    font-weight:bold;
    color:solid black;
    margin-top:5px;
    background-color:white;
    border-style: solid;
}
</style>
</head>
<body>
<center>
<div class= "main">CSS BOX-MODEL PROPERTY</div>
<div class= "content" align="centre">
<div class= "content1" align="centre">
<div class= "content2">T.Y.B.Sc. (Comp.Sci.)</div>
<div class= "content3">Academic Year 2022-23</div>
</center>
</div>

```

```
</body>
</html>
```

### Assignment 3

```
/*func.php*/
```

```
<?php
function length($x)
{
    $i=0;
    while($x[$i]!=NULL)
    {
        $i++;
    }
    echo "length of the given string = ".$i;
}

function vowels($x)
{
    $cnt=0;
    $l=strlen($x);
    for($i=0;$i<$l;$i++)
    {
        if($x[$i]=='a' || $x[$i]=='A' || $x[$i]=='e' || $x[$i]=='E' || $x[$i]=='i' || $x[$i]=='I' || $x[$i]=='o' || $x[$i]=='O' || $x[$i]=='u' || $x[$i]=='U')
        {
            $cnt++;
        }
    }
    echo "total number of vowels in string are: ".$cnt;
}

function tlower($x)
{
    $l=strtolower($x);
    $t=ucwords($x);
    echo "given string in lower case is : ".$l;
    echo "given string in title case is : ".$t;
}

function pad($x)
{
    echo str_pad($x,45,'*',STR_PAD_BOTH);
}

function whitespace($x)
{
    echo str_replace(" ","",$x);
}

function rrev($x)
{
    echo strrev($x);
}

/*as3setb1*/
function appear($x,$y)
{
    $a=preg_match("/$x/",$y);
    if($a==1)
    echo "yes,it appears";
    else
    echo "no,it is not appearing";
}
```



```

}

function compare($x,$y)
{
$b=strncasecmp($x,$y,16);
if($b==0)
echo "both are similar";
else
echo "both r different";
}
/*as3setb2*/
function splits($x,$s)
{
$a=explode(" ",$x);
foreach($a as $x)
{
echo $s;
echo $x."<br>";
}
}
function last($x)
{
echo strrchr($x," ");
}
function replace($x,$s)
{
$a=str_replace("#","*", $x);
echo $a;
}
/*as3setb2*/
function splits($x,$s)
{
$a=explode(" ",$x);
foreach($a as $x)
{
echo $s;
echo $x."<br>";
}
}
function last($x)
{
echo strrchr($x," ");
}
function replace($x,$s)
{
$a=str_replace($s," ", $x);
echo $a;
}
?>

```

#### SET A

- Q: 1) Write a script to accept two integers (Use html form having 2 textboxes). Write a PHP script to,**
- Find mod of the two numbers**
  - Find the power of first number raised to the second.**
  - Find the sum of first n numbers (considering first number as n)**
  - Find the factorial of second number. (Write separate function for each of the above operations.)**

```

<!DOCTYPE html>
<html>
<body>
<form name=f method=get action=http://localhost/as3seta1.php>
<centre>
<table>
<tr><th colspan=2><h1>Choose menu</h1></th></tr>
<tr><td enter 1st number:</td><td><input type=text name=t1></td></tr></br>
<tr><td enter 2nd number:</td><td><input type=text name=t2></td></tr></br>
<tr><td><input type=radio name=op value=1></td><td> a.find the mod of 2 numbers.</td></tr></br>
<tr><td><input type=radio name=op value=2></td><td> b.find the power of first raised to second.</td></tr></br>
<tr><td><input type=radio name=op value=3></td><td> c.find the sum of first n numbers .</td></tr></br>
<tr><td><input type=radio name=op value=4></td><td> a.find the factorial of second numbers.</td></tr></br>
<tr><th colspan =2><input type=submit name=s value=Submit></th><tr>
</table>
</centre>
</form>
</body>
</html>
<?php
function mod($n,$m)
{
    $md=$n%$m;
    echo "Mod of" . $n . "and" . $m . "is" . $md;
}
function power($n,$m)
{
    $p=1;
    for($i=0;$i<$m;$i++)
    {
        $p=$p*$n;
    }
    echo $p;
}
function sum($n)
{
    $s=0;
    for($i=1;$i<=$n;$i++)
    {
        $s=$s+$i;
    }
    echo $s;
}
function fact($m)
{
    $f=1;
    while($m>0)
    {
        $f=$f*$m;
        $m--;
    }
    echo $f;
}
?>
<?php
include("fun2.php");
$n=$_GET['t1'];

```

```

$m=$_GET['t2'];
$ch=$_GET['op'];
switch($ch)
{
case 1:
mod($n,$m);
break;
case 2:
power($n,$m);
break;
case 3:
sum($n);
break;
case 4:
fact($m);
break;
}
?>

```

Q: 2) Write a PHP script for the following: Design a form to accept a string.

- Write a function to find the length of given string without using built in functions
- Write a function to count the total number of vowels i.e. (a,e,i,o,u) ) from the string.
- Convert the given string to lowercase and then to Title case.
- Pad the given string with "\*" from left and right both the sides.
- Remove the leading whitespaces from the given string.
- Find the reverse of given string.(use built-in functions) (Use radio buttons and the concept of function. Use 'include' construct or 'require' stmt.)

```

<!DOCTYPE html>
<html>
<body>
<form name=f method=get action=http://localhost/as3seta2.php>
<center>
<table>
<tr><th colspan=2><h1>Choose Menu</h1></th></tr>
<tr><td>Enter a string:</td> <td><input type=text name =s></td></tr><br>
<tr><td><input type=radio name=op value=1></td> <td>a.Find the length of given string.</td></tr><br>
<tr><td><input type=radio name=op value=2></td> <td>b.Count the total number of vowels.</td></tr><br>
<tr><td><input type=radio name=op value=3></td> <td>c.Convert the given string to lowercase and then to title
case.</td></tr><br>
<tr><td><input type=radio name=op value=4></td> <td>d.Pad the given string with "*".</td></tr><br>
<tr><td><input type=radio name=op value=5></td> <td>e.Remove the leading white spaces from the given string.</td></tr><br>
<tr><td><input type=radio name=op value=6></td> <td>f.Find the reverse of the given string.</td></tr><br>
<tr><th colspan=2><input type=submit name=sb value=Submit></th></tr>
</table>
</center>
</body>
</html>
<?php
include("func.php");
$x=$_GET['s'];
$ch=$_GET['op'];
switch($ch)
{
case 1:length($x);break;
case 2:vowels($x);break;
case 3:tolower($x);break;/*strtolower($x);break;*/

```

```

/*echo "<br>";
echo tupper($x);break;*/
case 4:pad($x);break;/*str_pad($x,10,'*',STR_PAD_BOTH);break;*/
case 5:whitespace($x);break;/*echo str_replace(" ", ""$x);break;*/
case 6:rrev($x);break;/*echo strrev($x);break;*/
}
?>

```

## SET B

Q: 1) Write a PHP script for the following: Design a form to accept two strings from the user.

- Find whether the small string appears at the start of the large string.
- Find the position of the small string in the big string.
- Compare both the string for first n characters, also the comparison should not be case sensitive.

```

<!DOCTYPE html>
<html>
<body>
<form name=f method=get action=http://localhost/as3setb1.php>
<center>
<table>
<tr><th colspan=2><h1>Choose Menu</h1></th></tr>
<tr><td>Enter the string 1:</td> <td><input type=text name =s1></td></tr><br>
<tr><td>Enter the string 2:</td> <td><input type=text name =s2></td></tr><br>
<tr><td><input type=radio name=op value=1></td> <td>a.Find whether the small string appears at the start of the large string.
.</td></tr><br>
<tr><td><input type=radio name=op value=2></td> <td>b.Find the position of the small string in the big string. </td></tr><br>
<tr><td><input type=radio name=op value=3></td> <td>c. Compare both the string for first n characters, also the comparison
should not be case sensitive. </td></tr><br>
<tr><th colspan=2><input type=submit name=sb value=Submit></th></tr>
</table>
</center>
</body>
</html>
/*as3setb1.php*/
<?php
include("func.php");
$x=$_GET['s1'];
$y=$_GET['s2'];
$ch=$_GET['op'];
switch($ch)
{
case 1:appear($x,$y); break;
case 2:echo strpos($y,$x); break;
case 3:compare($x,$y); break;
}
?>

```

Q: 2) Write a PHP script for the following: Design a form having a text box and a drop down list containing any 3 separators (e.g. #, |, %, @, ! or comma) accept a strings from the user and also a separator.

- Split the string into separate words using the given separator.
- Replace all the occurrences of separator in the given string with some other separator.
- Find the last word in the given string(Use strrstr() function).

```

<!DOCTYPE html>
<html>
<body>
<form name=f method=get action=http://localhost/as3setb2.php>
<center>
<table>
<tr><th colspan=2><h1>Choose Menu</h1></th></tr>

```

```

<tr><td>Enter a string:</td> <td><input type=text name =t></td></tr><br>
<tr><td>Enter a separator:</td>
<td><select name=sep>
<option value=#>#</option>
<option value=|>|</option>
<option value=%>%</option>
</select></td></tr><br>
<tr><td><input type=radio name=op value=1></td> <td>a.Split the string.</td></tr><br>
<tr><td><input type=radio name=op value=2></td> <td>b.Replace separator.</td></tr><br>
<tr><td><input type=radio name=op value=3></td> <td>c.Find the last word.</td></tr><br>
<tr><th colspan=2><input type=submit name=sb value=Submit></th></tr>
</table>
</center>
</body>
</html>
<?php
include("func.php");
$x=$_GET['t'];
$ch=$_GET['op'];
$s=$_GET['sep'];
switch($ch)
{
case 1: splits($x,$s); break;
case 2: replace($x,$s); break;
case 3: last($x); break;
}
?>

```

Q:3) Write a PHP script having 3 textboxes. The first textbox should be for accepting name of the student, second for accepting name of college and third for accepting a proper greeting message. Write a function for accepting all the three parameters and generating a proper greeting message. If any of the parameters are not passed, generate the proper greeting message. (Use the concept of missing parameters)

```

<!DOCTYPE html>
<html>
<body>
<form name=f method=get action=http://localhost/as3setb3.php>
<center>
<table>
<tr><th colspan=2><h1>Choose Menu</h1></th></tr>
<tr><td>Enter the name of the student:</td> <td><input type=text name =s></td></tr><br>
<tr><td>Enter the name of the college:</td> <td><input type=text name =c></td></tr><br>
<tr><td>Enter your greeting message:</td> <td><input type=text name =m></td></tr><br>
<tr><th colspan=2><input type=submit name=sb value=Submit></th></tr>
</table>
</center>
</body>
</html>
<?php
$a1=$_GET['s'];
$a2=$_GET['c'];
$a3=$_GET['m'];
function display($a3,$a1,$a2)
{
if($a3==null)
echo "Welcome";
else
echo $a3.$a1." from ".$a2;
}

```

```
}  
  
display($a3,$a1,$a2);  
?>
```

SET C Q: 1) Write a PHP script for the following: Design a form to accept the marks of 5 different subjects of a student, having serial number, subject name & marks out of 100. Display the result in the tabular format which will have total, percentage and grade. Use only 3 text boxes. (Use array of form parameters)

```
<!DOCTYPE html>  
<html>  
<head>  
</head>  
<body>  
<center>  
<table>  
<form name=f method=get action="http://localhost/as3setc1.php">  
<tr><th colspan=2>Enter the details </th></tr>  
<tr><td>Enter the roll no :</td><td><input type=text name=r ></td></tr>  
<tr><td>Enter name:</td><td><input type=text name=n ></td></tr>  
<tr><td>Java:</td><td><input type=text name=s1 ></td></tr>  
<tr><td>Php:</td><td><input type=text name=s2 ></td></tr>  
<tr><td>DS:</td><td><input type=text name=s3 ></td></tr>  
<tr><td>OS:</td><td><input type=text name=s4 ></td></tr>  
<tr><td>Python:</td><td><input type=text name=s5 ></td></tr>  
<tr><td>Submit:</td><td><input type=submit name=s value=Proceed></td></tr>  
</center>  
</form>  
</body>  
</html>  
/*as3setc1.php*/  
<!DOCTYPE html>  
<html>  
<body>  
<?php  
$r=explode(",",$_GET['r']);  
$n=explode(",",$_GET['n']);  
$s1=explode(",",$_GET['s1']);  
$s2=explode(",",$_GET['s2']);  
$s3=explode(",",$_GET['s3']);  
$s4=explode(",",$_GET['s4']);  
$s5=explode(",",$_GET['s5']);  
?>  
<centre>  
<table border=1>  
<?php  
$c=count($r);  
echo "<tr><th>Roll  
no</th><th>Name</th><th>s1</th><th>s2</th><th>s3</th><th>s4</th><th>s5</th><th>total</th><th>per</th></tr>";  
for($i=0;$i<$c;$i++)  
{  
$t=$s1[$i]+$s2[$i]+$s3[$i]+$s4[$i]+$s5[$i];  
$p=$t/5;  
echo "<tr><td>".$r[$i]."</td><td>".$n[$i]."</td><td>".$s1[$i]."</td><td>".$s2[$i]."</td><td>".$s3[$i]."</td><td>".  
$s4[$i]."</td><td>".$s5[$i]."</td><td>".$t."</td><td>".$p."</td></tr>";  
}  
?>  
</table>
```

```
</centre>
</body>
</html>
```

**Q: 2) Write a PHP script to accept 2 strings from the user, the first string should be a sentence and second can be a word. a. Delete a small part from first string after accepting position and number of characters to remove. b. Insert the given small string in the given big string at specified position without removing any characters from the big string. c. Replace some characters/ words from given big string with the given small string at specified position. d. Replace all the characters from the big string with the small string after a specified position. (Use substr\_replace() function)**

**Html file!!!!**

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<center>
<table>
<form name=f method=get action="">
<tr><th colspan=2>Enter the details </th></tr>
<tr><td>Enter sentence:</td><td><input type=text name=s1 ></td></tr>
<tr><td>Enter word:</td><td><input type=text name=s2 ></td></tr>
<tr><td>Enter position:</td><td><input type=text name=p ></td></tr>
<tr><td>Enter end position:</td><td><input type=text name=n ></td></tr>
<tr><td>Delete a small part:</td><td><input type=radio name=r value=1></td></tr>
<tr><td>Insert small string:</td><td><input type=radio name=r value=2></td></tr>
<tr><td>Replace word from BIG to SMALL:</td><td><input type=radio name=r value=3></td></tr>
<tr><td>Replace word from BIG to SMALL:</td><td><input type=radio name=r value=4></td></tr>
<tr><td>Submit:</td><td><input type=submit name=s value=Proceed></td></tr>
</center>
</form>
</body>
</html>
```

**/\*as3setc2.php\*/**

```
<?php
include("func.php");
$x=$_GET['s1'];
$y=$_GET['s2'];
$ch=$_GET['op'];

switch($ch)
{
case 1:echo substr_replace($x,$y,7,4); break;
case 2:echo substr_replace($x,$y,0); break;
/*case 3:compare($x,$y); break;
case 4:compare($x,$y); break;*/
}
?>
```

**Q: 3) Using regular expressions check for the validity of entered email-id. a. The @ symbol should not appear more than once. b. The dot (.) can appear at the most once before @ and at the most twice or at least once after @ symbol. c. The substring before @ should not begin with a digit or underscore or dot or @ or any other special character. (Use explode and ereg function.)**

```
<!DOCTYPE html>
<html>
<head>
</head>
<body>
<center>
<table>
<form name=f method=get action="http://localhost/as3setc3.php">
```

```

<tr><th colspan=2>Enter the details </th></tr>
<tr><td>Enter Email id.:</td><td><input type=text name=s1 ></td></tr>
<tr><td>Submit:</td><td><input type=submit name=s value=Proceed></td></tr>
</center>
</form>
</body>
</html>
<?php
$ch=$_GET['s1'];
if (preg_match("^[_a-z0-9-]+\.[a-z0-9-]+@[a-z0-9-]+\.[a-z0-9-]+(\.[a-z]{2,3})$^",$ch))
echo "email id is valid!";
else
echo "email id is invalid!";
?>

```

#### Assignment 4

##### Set A

1. Create your array of 30 high temperatures, approximating the weather for a spring month, then find the average high temp, the five warmest high temps and the five coolest high temps. Display the result on the browser.

Hint: a) Use array\_slice b) the HTML character entity for the degree sign is & deg;.

Html file!!!

```

<!DOCTYPE html>
<html>
<body>
<form name=f method=get action=http://192.168.100.252/sy31/a4sa1.php>
<center>
<table>
<tr><td>Enter the temperatures:</td> <td><input type=text name = highTemps ></td></tr><br>
<tr><th colspan=2><input type=submit name=sb value=Submit></th></tr>
</table>
</center>
</body>
</html>

```

```

//as4seta1.php
<?php
/*
$highTemps = array(68, 70, 72, 58, 60, 79, 82, 73, 75, 77, 73, 58, 63, 79, 78, 68, 72, 73, 80, 79,
68, 72, 53, 56, 73, 78, 55, 85, 89, 83);
44,55,12,34,55,89,23,45,56,44,34,43,35,36,37,38,67,44,23,45,54,34,21,45,45,65,43,26,54,50
*/
$highTemps=explode(",",$_GET['highTemps']);
$cnt = count($highTemps);
$ttl = 0;
foreach ($highTemps as $h)
{
$ttl += $h;
}
$avg = ($ttl / $cnt);
sort($highTemps);
print_r($highTemps);
echo "<br>The average high temperature for the month was <br> $avg degree celcius<br>";

$stopTemps = array_slice($highTemps, -5, 5);
echo "The warmest five high temperatures were: <Br>";
foreach ($stopTemps as $t)

```



```

{
echo "$t degree celcius<br>";
}
$lowTemps = array_slice($highTemps, 0, 5);
echo "The coolest five low temperatures were: <Br>";
foreach ($lowTemps as $l)
{
echo "$l degree celcius<br>";
}
?>

```

2. Write a menu driven program to perform the following stack and queue related operations:[Hint: use Array\_push(), Array\_pop(), Array\_shift(), Array\_unshift() ]

- a) Insert an element in stack
- b) Delete an element from stack
- c) Display the contents of stack
- d) Insert an element in queue
- e) Delete an element from queue
- f) Display the contents of queue

html file!!!

```

<!DOCTYPE html>
<html>
<body>
<form name=f method=get action=http://192.168.100.252/sy31/a4sa2.php>
<center>
<table>
<tr><th colspan=2><h1>Choose Menu</h1></th></tr>
<tr><td>Ente an array:</td> <td><input type=text name =a1></td></tr><br>
<tr><td>Enter an element to be inserted:</td> <td><input type=text name =w></td></tr><br>
<tr><td><input type=radio name=op value=1></td> <td>a.Insert an element in stack.</td></tr><br>
<tr><td><input type=radio name=op value=2></td> <td>b.Delete an element from stack.</td></tr><br>
<tr><td><input type=radio name=op value=3></td> <td>c.Display the contents of stack.</td></tr><br>
<tr><td><input type=radio name=op value=4></td> <td>d.Insert an element in queue.</td></tr><br>
<tr><td><input type=radio name=op value=5></td> <td>d.Delete an element from queue.</td></tr><br>
<tr><td><input type=radio name=op value=6></td> <td>d.Display the contents of queue.</td></tr><br>
<tr><th colspan=2><input type=submit name=sb value=Submit></th></tr>
</table>
</center>
</body>
</html>
/*as4seta2.php*/
<?php
$w=explode(",",$_GET['a1']); //1,2,3,7,10
$a=$_GET['op'];
/*$b=array(1,2,3,4,5,6,7,8,9);*/

```

```

switch($a)
{
case 1:
print_r($w);
array_push($w,10);
echo"<br>";
echo"After insert an element in stack:<br>";
print_r($w);break;
case 2:
print_r($w);

```

```

array_pop($w);
echo"<br>";
echo"After delete an element from stack :<br>";
print_r($w);break;
case 3:
echo "Contents of stack.<br>";
print_r($w);break;
case 4:
print_r($w);
array_unshift($w,9);
echo"<br>";
echo"After insert an element in queue:<br>";
print_r($w);break;
case 5:
print_r($w);
array_shift($w);
echo"<br>";
echo"After delete an element in queue:<br>";
print_r($w);break;
case 6:
echo "Contents of queue<br>";
print_r($w);break;
}
?>

```

#### Set B

1. Write a PHP script that inserts a new item in an array at any position. (hint : use array\_splice())

```

/*as4setb1.php*/
<?php
$actual = array( 1,2,3,4,5,6);
echo 'actual array : '."<br>";
foreach ($actual as $x)
{echo "$x ";}
$inserted = '#';
array_splice( $actual, 2, 0, $inserted );
echo " <br> After inserting '#' the array is : "."<br>";
foreach ($actual as $x)
{echo "$x ";}
echo "<br>";
?>

```

2. Define an array. Find the elements from the array that matches the given value using appropriate search function.

```

<!DOCTYPE html>
<html>
<body>
<form name=f method=get action=http://localhost/as4setb2.php>
<center>
<table>
<tr><th colspan=2><h1>Choose Menu</h1></th></tr>
<tr><td>Enter an array:</td> <td><input type=text name =w></td></tr><br>
<tr><th colspan=2><input type=submit name=sb value=Submit></th></tr>
</table>
</center>
</body>
</html>

```

```
/*as4setb2.php*/
```

```

<?php
$a=array('inaara rajwani',' bcs', 'ty');
print_r($a);
$w1=$_GET ['w'];
print_r($w1);
if(in_array($w1,$a))
{
echo "The given element is found in defined array ";
}
else
{
echo "The given element is not found in defined array ";
}

?>

```

## Set C

1. Write a PHP script to sort the following associative array array ("Sophia"=>"31", "Jacob"=>"41", "William"=>"39", "Ramesh"=>"40") in

- Ascending order sort by value **asort**
- Ascending order sort by Key **ksort**
- Descending order sorting by Value **arsort**
- Descending order sorting by Key **krsort**

```

/*as4setc1*/
<?php
$array=array("Sophia"=>"31","Jacob"=>"41","William"=>"39","Ramesh"=>"40");
echo "Associative array : Ascending order sort by value <br>";
asort($array);
foreach($array as $y=>$y_value)
{
echo "Age of ".$y." is : ".$y_value."<br>";
}
echo "Associative array : Ascending order sort by Key <br>";
ksort($array);
foreach($array as $y=>$y_value)
{
echo "Age of ".$y." is : ".$y_value."<br>";
}
echo "Associative array : Descending order sorting by Value<br>";
arsort($array);
foreach($array as $y=>$y_value)
{
echo "Age of ".$y." is : ".$y_value."<br>";
}
echo "Associative array : Descending order sorting by Key<br>";
krsort($array);
foreach($array as $y=>$y_value)
{
echo "Age of ".$y." is : ".$y_value."<br>";
}

?>

```

2. Write a menu driven program to perform the following operations on associative arrays:

- Split an array into chunks
- Sort the array by values without changing the keys. **asort**

- c) Filter the odd elements from an array.
- d) Merge the given arrays.
- e) Find the intersection of two arrays.
- f) Find the union of two arrays.
- g) Find set difference of two arrays.

```
<html>
<title>Assign4_SETC_Q2</title>
<body>
<center>
<table>
<form name=f method=get action="http://localhost/as4setc2.php">
<tr><th colspan=2>Menu</th></tr>
<tr><td>1.Split array into chunks</td><td><input type=radio name=r value=1></td></tr>
<tr><td>2.Sort array by value without changing key</td><td><input type=radio name=r value=2></td></tr>
<tr><td>3.Filter odd elements</td><td><input type=radio name=r value=3></td></tr>
<tr><td>4.Merge given array</td><td><input type=radio name=r value=4></td></tr>
<tr><td>5.Find intersection</td><td><input type=radio name=r value=5></td></tr>
<tr><td>6.Find union</td><td><input type=radio name=r value=6></td></tr>
<tr><td>7.Find set difference</td><td><input type=radio name=r value=7></td></tr>
<tr><td>SUBMIT</td><td><input type=submit name=s value=go></td></tr>
</center>
</form>
</table>
</body>
</html>
/*as4setc2.php*/
```

```
<?php
$c=$_GET['r'];
$a=array('pen'=>15,'pencil'=>5,'rubber'=>3,'book'=>30);
$a1=array('ira'=>15,'nia'=>57,'ria'=>3,'alia'=>30);
//$a2=array(15,48,10,155,2,78);
switch($c)
{
case 1:
    echo"<br>Array in chunks of two <br>";
    print_r(array_chunk($a,2,true));
    echo"<br><br>";
    print_r(array_chunk($a1,2,true));
    echo"<br><br>";
    break;
case 2:
    print_r($a);
    asort($a);//array sort by values
    echo"<br>Array in ascending order<br>";
    print_r($a);
    arsort($a);//reverse array sort by values
    echo"<br>Array in descending order<br>";
    print_r($a);
    break;
case 3:
    function isodd($v)
    {
    return $v%2;
    }
    print_r($a);
    echo "<br>";
```

```

echo "<br>Filter the odd elements from an array.<br>";
print_r(array_filter($a,'isodd'));
break;
case 4 :
    echo "<br>1st array<br>";
    print_r($a);
    echo "<br>2nd array<br>";
    print_r($a1);
    echo "<br>Array Merge<br>";
    print_r(array_merge($a,$a1));
    break;
case 5:
    echo "<br>1st array<br>";
    print_r($a);
    echo "<br>2nd array<br>";
    print_r($a1);
    echo "<br>Array Intersection<br>";
    print_r(array_intersect($a,$a1));
    break;
case 6:
    echo "<br>1st array<br>";
    print_r($a);
    echo "<br>2nd array<br>";
    print_r($a1);
    echo "<br>Array Union<br>";
    $union=array_merge($a,$a1);
    print_r(array_unique($union));
    break;
case 7:
    echo "<br>1st array<br>";
    print_r($a);
    echo "<br>2nd array<br>";
    print_r($a1);
    echo "<br>Array Differnce<br>";
    print_r(array_diff($a,$a1));
    break;
}
?>

```

#### Assignment no 5

##### Set A

Q: 1) Write a program to read one file and display the contents of the file with its size.

```

<?php
$filenm=$_GET['t1'];
$fp=fopen($filenm,'r');
$fs=filesize($filenm);
echo fread($fp,$fs);
echo "filesize is". $fs;
?>

```

```

<!DOCTYPE html>
<html>
<head><title>Assign 5 set a q1</title></head>
<body>
<form name=f1 method=get action=http://192.168.100.252/ty2/ass5a2.php>
Enter file name: <input type=text name=t1>
<input type=submit value=Submit>
</form>

```

```
</body>
</html>
```

Q: 2) Write a program to read a flat file “item.dat”, which contains details of 5 different items such as Item code, Item Name, unit sold, and Rate. Display the Bill in tabular format.

Item.dat  
1 Book 10 15  
2 Pen 5 10  
3 Pencil 8 5  
4 Bag 10 200  
5 File 4 25

```
<!DOCTYPE html>
<html>
<body>
<?php
$filenm="item.dat";
$fp=fopen($filenm,'r');
?>
<centre>
<table border=2>
<?php
echo"<br><tr><th> item no</th><th> item name</th><th>unit sold</th><th>rate</th><th>total amt</th></tr></br>";
while(!feof($fp))
{
$x=explode(" ",fgets($fp));
$t=$x[2]*$x[3];
echo "<tr><td>$x[0]</td><td>$x[1]</td><td>$x[2]</td><td>$x[3]</td><td>$t</td></tr>";
}
?>
</table>
</centre>
</body>
</html>
```

Set B

Q: 1) Write a menu driven program to perform various file operations. Accept filename from user.

- a) Display type of file.
- b) Display last access time of file
- c) Display the size of file
- d) Delete the file

```
<!DOCTYPE html>
<html>
<head><title>Assign 5 set b q1</title></head>
<body>
<table border=1>
<form name=f1 method=get action=http://192.168.100.252/ty2/ass5b1.php>
<tr><td>Enter file name: </td><td><input type=text name=t1</td></tr>
<tr><td><input type=radio name=r value=1</td><td>Display type of file</td></tr>
<tr><td><input type=radio name=r value=2</td><td>Display last access time of file</td></tr>
<tr><td><input type=radio name=r value=3</td><td>Display size of file</td></tr>
<tr><td><input type=radio name=r value=4</td><td>Delete the file</td></tr>
<tr><td colspan=2><input type=submit value=Submit</td></tr>
</form>
```

```
</table>
</body>
</html>
```

```
<?php
$f=$_GET['t1'];
$fp=fopen($f,"r");
$ch=$_GET['r'];//option name r
switch($ch)
{
case 1:
echo "Type of file: ".filetype($f);
break;
case 2:
echo "Last access time: ".date("F d Y H:i:s.",fileatime($f)); //day date year hr min seconds
break;
case 3:
echo "File size: ".filesize($f);
break;
case 4:
unlink($f);
if(!unlink($f))
{
echo "<br>Error deleting file";
}
else
{
echo "File deleted";
}
break;
}
?>
```

## Assignment 6

### SET A

Q: 1) Consider the following entities and their relationships

Event (eno , title , date )

Committee ( cno , name, head , from\_time ,to\_time , status)

Event and Committee have many to many relationship. Write a script to accept title of event and modify status committee as working

```
<!DOCTYPE html>
<html>
<head><title>Assign 6 set a q1</title></head>
<body>
<form name=f1 method=get action=http://192.168.100.252/ty2/ass6a1.php>
Enter title: <input type=text name=t1>
<input type=submit value=Update>
</form>
</body>
</html>
```

```
<?php
$c=pg_connect("host=192.168.100.252 dbname=tydb3 user=ty3");
```

```

if(!$c)
echo 'not connected';
else
echo "done \n";
$e=$_GET['t1'];
$q=pg_query("update comm set status ='not done' where cno in (select cno from e_c where eno
in (select eno from event where title='0'))");
if(!$q)
echo "not updated";
else
echo "\n updated!";
?>

```

Q: 2). Consider the following entities and their relationships

Student (Stud\_id,name,class)

Competition (c\_no,c\_name,type)

Relationship between student and competition is many-many with attribute rank and year.

Create a RDB in 3NF for the above and solve the following. Using above database write a script in PHP to accept a competition name from user and display information of student who has secured 1st rank in that competition.

SET B

Q: 1) Consider the following entities and their relationships

Property (pno, description, area)

Owner (oname, address, phone) An owner can have one or more properties, but a property belongs to exactly one owner. Accept owner name from the user. Write a PHP script which will display all properties which are own by that owner

```

<!DOCTYPE html>
<html>
<head><title>Assign 6 set b q1</title></head>
<body>
<form name=f1 method=get action=http://192.168.100.252/ty2/ass6b1.php>
Enter name: <input type=text name=t1>
<input type=submit value=Show>
</form>
</body>
</html>

```

```

<?php
$c=pg_connect("host=192.168.100.252 dbname=tydb2 user=ty2");
if(!$c)
echo "not connected";
else
echo "done";
$t=$_GET['t1'];
$q=pg_query("select * from property where oname='".$t."'");
while($rs=pg_fetch_array($q))
{
echo "<br>Name: ".$rs[3]."<br>Property: ".$rs[1];
echo "<br>-----";
}
?>

```

DIRECTORY

```

<!DOCTYPE html>
<html>

```



```
<head><title>Assign 5 set b q1</title></head>
<body>
<table border=1>
<form name=f1 method=get action=http://192.168.100.252/ty2/file1.php>
<tr><td>Enter directory name: </td><td><input type=text name=t1></td></tr>
<tr><td>Enter extension: </td><td><input type=text name=t2></td></tr>
<tr><td colspan=2><input type=submit value=Submit></td></tr>
</form>
</table>
</body>
</html>
```

```
<?php
$d=$_GET['t1'];
$e=$_GET['t2'];
$dh=opendir($d);
while(($file=readdir($dh))!=false)
{
if(preg_match("/$e$/",$file))
{
echo $file;
}
}
?>
```