IWP CODES

1. Write an XML document that will hold player collection with fields like name, age, batting average and highest score. Write suitable document type definition and schema for XML document.
2. Write a jsp script to take data to database through html form
3. Write a JSP program to read the students data like roll number, name, email and marks from the database and display it in tabular format on web page
4. Move all zeroes to end of array

///

XML

Write an XML document that will hold player collection with fields like name, age, batting average and highest score. Write a suitable document type definition and schema for XML document.

Player.xml
```
<?xml version="1.0"?>
<!DOCTYPE player SYSTEM "player.dtd
<player>
<name>Ronit Gupta</name>
<age>26</age>
<batting-average>44.32</bat
<highest-score>141</highest
STYLE E
</player>
```
Player.dtd
```
<!ELEMENT player(name, age, batting-a
<I ELEMENT name (#PCDATA)>
<I ELEMENT age (#PCDATA)>
<! ELEMENT batting-average (#PCDATA)>
<! ELEMENT highest-score (#PCDATA)>
```

Write a jsp script to take data to database through html form
```
<!DOCTYPE html>
<html>
<body>
```

```html
<form method="post" action="process.jsp">
First name:<br>
<input type="text" name="first_name">
<br>
Last name:<br>
<input type="text" name="last_name">
<br>
City name:<br>
<input type="text" name="city_name">
<br>
Email Id:<br>
<input type="email" name="email">
<br><br>
<input type="submit" value="submit">
</form>
</body>
</html>
```

Jsp
```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<%@page import="java.sql.*,java.util.*"%>

<%
String first_name=request.getParameter("first_name");
String last_name=request.getParameter("last_name");
String city_name=request.getParameter("city_name");
String email=request.getParameter("email");

try
{
Class.forName("com.mysql.jdbc.Driver");
Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/test",
"root", "");
Statement st=conn.createStatement();

int i=st.executeUpdate("insert into
users(first_name,last_name,city_name,email)values('"+first_name+"','"+last_name+"'
,'"+city_name+"','"+email+"')");
out.println("Data is successfully inserted!");
}
catch(Exception e)
{
System.out.print(e);
```

```
e.printStackTrace();
}
%>
```

//

Write a JSP program to read the students data like roll number, name, email and marks from the database and display it in tabular format on web page

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Student details </title>
</head>
<body>

</body>
<form method="post">
<table border="2">
<tr>
<td>ROLL NUMBER</td>
<td>NAME</td>
<td>EMAIL</td>
<td>MARKS</td>
</tr>

<%

try
{
Class.forName("com.mysql.jdbc.Driver");
String url="jdbc:mysql://localhost/test";
String username="root";
String password="root";
String query="select * from jsp1";
Connection conn=DriverManager.getConnection(url,username,password);
Statement stmt=conn.createStatement();
ResultSet rs=stmt.executeQuery(query);
while(rs.next())
{

%>
<tr>
<td><%=rs.getInt("ROLL NUMBER ") %></td>
```

```
<td><%=rs.getString("NAME") %></td>
<td><%=rs.getString("EMAIL") %></td>
<td><%=rs.getString("MARKS") %></td>

</tr>
<%
}
%>
</table>
<%
rs.close();
stmt.close();
conn.close();
    }

catch(Exception e)
    {
e.printStackTrace();
    }

%>


</form>
</html>
```

//

Move all zeroes to end of array

```php
<?php
function pushZerosToEnd(&$arr, $n)
{
        $count = 0;
        for ($i = 0; $i < $n; $i++)
                if ($arr[$i] != 0)
                        $arr[$count++] = $arr[$i];
        while ($count < $n)
                $arr[$count++] = 0;
}

$arr = array(1, 9, 8, 4, 0, 0, 2, 7, 0, 6, 0, 9);
$n = sizeof($arr);
pushZerosToEnd($arr, $n);
```

```php
echo "Array after pushing all " .
        "zeros to end of array :\n";

for ($i = 0; $i < $n; $i++)
echo $arr[$i] . " ";

?>
```
//

sorts an associative array in ascending order, according to the value

```php
<!DOCTYPE html>
<html>
<body>

<?php
$age=array("Peter"=>"35","Ben"=>"37","Joe"=>"43");
asort($age);

foreach($age as $x=>$x_value)
  {
  echo "Key=" . $x . ", Value=" . $x_value;
  echo "<br>";
  }
?>

</body>
</html>
```

Use the krsort() function to sort an associative array in descending order, according to the key

Use the arsort() function to sort an associative array in descending order, according to the value.
//

QUESTION 2 PAPER 2: FORM
HTML:

```html
<!DOCTYPE html>
<html>
    <head>
        <title>HTML Forms</title>
    </head>
    <link rel="stylesheet" type="text/css" href=".css">
```

```html
    <body topmargin="10" leftmargin="10" rightmargin="10"
style="background: rgb(119,186,250);" >
    <form action="Da1.html">



        <div class="card">
            <fieldset>
            <legend>Personal Information</legend>


        <table>
        <tr><td>First name* :</td>
        <td><input type="text" placeholder="your first name"
required></td></tr>
        <br>
        <tr><td>Last name*: </td>
        <td><input type="text" required></td></tr>

        <tr><td>Gender:</td>
        <td><input type="radio" value="male" name="gender">Male<br>
        <input type="radio" value="female" name="gender">Female<br>
      <input type="radio" value="other" name="gender">Others</td></tr>



        <tr><td>Date of birth*:</td>
        <td><input type="text" placeholder="dd/mm/yyyy"
required></td></tr>

        <tr><td>Age(between 18 and 22)*:</td>
        <td><input type="number" id="quantity" name="quantity" min="18"
max="22" required></td></tr>

        <tr><td>E-mail*:</td><td> <input type="email"
required></td></tr>



        <tr><td>Personal Phone Number*:</td>
        <td><input type="number"  required></td></tr>

        <tr><td>Linked In Profile*:</td>
        <td><input type="text"  required></td></tr>

        <tr><td>Favourite colour*:</td>
```

```html
        <td><input type="text"  required></td></tr>
        </table>
    </fieldset>
        <fieldset>
            <legend>Education Qualification</legend>

        <table>

        <tr><td><input type="checkbox" >B.Tech</td>
     <td> <select id="usage" name="branch">
            <option >bci</option>
              <option >bce</option>
              <option>eee</option>
              <option>bcb</option>
              <option >ece</option>
              <option >mee</option>
              </select></td></tr>
        <tr><td><input type="checkbox" >M.Tech</td>
        <td><select id="usage" name="branch">
            <option >CS</option>
              <option >IT</option>
              <option >EEE</option>
              <option >CIVIL</option>
              <option >ECE</option>
              <option >MECH</option>
              </select></td></tr>
        <tr><td>Area of Interest*:</td>
        <td><input type="text"  required></td></tr>
        <br>
        </table>
        </fieldset>
        <fieldset>
            <legend>Job Details</legend>
            <table>

        <div class="slidecontainer">
            <tr><td>Year of exp*:</td>
            <td><input type="range" min="1" max="20" value="10"
required></td></tr>

        <tr><td>Job title*:</td>
        <td><input type="text" required></td></tr>
        </table>
```

```html
        <textarea id="comments" name="comments" rows="6" cols="200"
placeholder="job description"></textarea>
        </fieldset>


        <table>


        <tr><td><label for="myfile">Your Recent Passport Size photo:
</label></td>
  <td><input type="file" id="myfile" name="myfile"></td></tr>
  <tr><td><label for="myfile">Upload Your Aadhar: </label></td>
  <td><input type="file" id="myfile" name="myfile"></td></tr>
  </table>


      <input class= "b1" type="submit" value="Dont Validate"><br><br>
        <input class="b2" type="submit" value="Submit using js
validation"><br><br>
        <input class="b3" type="submit" value="Validate using
PHP"><br><br>
        <input class="b4" type="reset">
        <br><br>
    </div>
    </form>
</body>
</html>
```

CSS:
```css
.card {

    font-family: "Times New Roman", Times, serif;
    box-shadow: 0 4px 8px 0 rgba(0,0,0,0.2);
    transition: 0.3s;
    border-radius: 5px; /* 5px rounded corners */
    background-color: rgb(160,250,136);
    margin-top: 20px;
  margin-bottom: 50px;
  margin-right: 150px;
  margin-left: 150px;
padding-left:50px;
padding-right:50px;
padding-top:10px;
padding-bottom:10px;
    }
  legend{
```

```css
    background-color: rgb(170,119,255);
    text-align:left;
}


  body
  {
    background-color: black;
  }
.container{

    color: white;
            font-size: 30px;
            text-shadow: -1px 1px 0 #000,
                          1px 1px 0 #000,
                         1px -1px 0 #000,
                        -1px -1px 0 #000;

  }
  .slidecontainer {
    width: 100%;
  }

body{

 padding: 0%;
 margin: 0;
 font-family: "Times New Roman", Times, serif;
}

 input[type=text], select {
 padding: 10px;
 border: 1px solid rgb(192, 192, 192);
 border-radius: 4px;
 box-sizing: border-box;
 margin-left: 80px;
 margin-top: 6px;
 margin-bottom: 10px;
 resize: vertical ;
 width:300px;
 background-color: yellow;


  }
```

```css
input[type=email]{
  padding: 10px;
  border: 1px solid rgb(192, 192, 192);
  border-radius: 4px;
  box-sizing: border-box;
  margin-left: 80px;
  margin-top: 6px;
  margin-bottom: 10px;
  resize: vertical ;
width:300px;
  background-color: yellow;

 }

 input[type=number]{
  padding: 10px;
  border: 1px solid rgb(192, 192, 192);
  border-radius: 4px;
  box-sizing: border-box;
width:300px;
  margin-left: 80px;
  margin-top: 6px;
  margin-bottom: 10px;
  resize: vertical ;
  background-color: yellow;
 }
 textarea{
  padding: 10px;
  border: 1px solid rgb(192, 192, 192);
  border-radius: 4px;
  box-sizing: border-box;
  margin-left: 2px;
  margin-top: 6px;
  margin-bottom: 5px;
width:800px;
  resize: vertical ;
  background-color: white;

 }

 input[type=range]{

  border: 1px solid rgb(192, 192, 192);
```

```css
   border-radius: 4px;
   box-sizing: border-box;
   margin-left: 50px;


   resize: vertical ;


 }
 input[type=file]{
  padding: 10px;
  border: 1px solid rgb(192, 192, 192);
  box-sizing: border-box;
  margin-left: 70px;
  margin-top: 6px;
  margin-bottom: 10px;
  resize: vertical ;
  background-color: rgb(15,240,255);
  border-radius: 10px;
 }
 input[type=radio]{
  margin-left: 50px;
  margin-top: 6px;
  margin-bottom: 10px;
 }
 input[type=reset], input[type=submit] {
  background-color:  rgb(119, 255, 136);
color: black;
padding: 8px 100px;
border: none;
border-radius: 20px;
cursor: pointer;
display: block;
margin: auto;
font-family: 'Poppins', sans-serif;


 }
```

PDO:
CONNECTION:
$database = 'database_name';
$user = 'user';
$password = 'password';
$dsn = "mysql:host=localhost;dbname=$database";

```
try {
$pdo = new PDO ($dsn, $user, $password);
}
catch(PDOException $e)
{
die ('Oops'); // Exit, displaying an error message
}
```

SELECT:
For SELECT query -
```
$sql = 'SELECT * FROM users WHERE email = ? AND
password = ?';
$pds = $pdo->prepare($sql);
$pds->execute(array(
$email,
$password
));
```

INSERT:
For INSERT query -
```
$sql = 'INSERT INTO users(email,password)
VALUES(?,?)';
$pds = $pdo->prepare($sql);
$pds->execute(array(
$email,
$password
));
```

UPDATE:
```
$sql = 'UPDATE users SET email=?, password=? WHERE id=?'; $pds =
$pdo->prepare($sql); $pds->execute(array( $email, $password, $id ));
```

DELETE:
```
$sql = 'DELETE FROM users WHERE id = ?'; $pds = $pdo->prepare($sql);
$pds->execute(array( $id ));
```

LIKE:
```
$sql = 'SELECT * FROM users WHERE email like ?'; $pds = $pdo->prepare($sql);
$pds->execute(array( '%$email%' ));
```

Change the colour of website when button clicked

```
<script>
var randomnumber=Math.floor(Math.random()*10)

function myFunction()
{
switch(randomnumber)
{
case 1:
  document.body.style.backgroundColor= "green";
  break;
case 2:
  document.body.style.backgroundColor= "blue";
  break;
case 3:
  document.body.style.backgroundColor= "red";
  break;
...
etc
...
default:
  code to be executed if n is different from case 1 and 2
}

}
</script>
```

To show time when button clicked

```
<html>
<head>
<title>(Type a title for your page here)</title>
<script type="text/javascript">
function show_now() {
var my_time = new Date();
document.getElementById('display').innerHTML=my_time
}
</script>
</head>
<body>
<input type=button value="Show Time" onclick="show_now();">
<div id=display></div>
</body></html>
```