# Visvesvaraya Technological University Belagavi, Karnataka-590 018



## WEB TECHNOLOGY & ITS APPLICATION (18CS63) LAB REPORT

Submitted in partial fulfilment requirments for the award of the Degree of

# BACHELOR OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING

by

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Under the Guidance of

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Department of Computer Science and Engineering Canara Engineering College , Benjanapadavu 2021-2022

## CANARA ENGINEERING COLLEGE

BENJANAPADAVU, BANTWAL- 574219 – KARNATAKA

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



## **CERTIFICATE**

This is to certify that **KESHAV R KARANTH** (**4CB18CS033**) has successfully completed the Lab Report on '**WEB TECHNOLOGY & ITS APPLICATIONS** (**18CS63**)' and submitted in partial fulfillment of the requirements of 6<sup>th</sup> Semester B.E., Computer Science and Engineering, prescribed by the VISVESVARAYA TECHNOLOGICAL UNIVERSITY during the academic year 2021-2022. It is verified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The lab report has been approved as it satisfies the academic requirements in respect of lab report work prescribed by Bachelor of Engineering Degree.

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Professor

Name of the Examiners

**Signature with Date** 

- 1. Mr. Alok Ranjan
- 2. Dr. Demian Antony D'Mello

## ACKNOWLEDGEMENT

We are indebted to our **Principal**, **Dr. Ganesh V. Bhat** and management of Canara Engineering College for providing an environment with all facilities that helped us in completing our mini project.

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We wish to express our sincere gratitude to our professor **Prof. Alok Ranjan** from Computer Science & Engineering Department, for the guidance and suggestions.

We thank all the teaching and non-teaching staff of Department of Computer Science & Engineering for their kind help.

Last but not the least; we would like to add some personal note. If there is a driving force that kept us going, and what has not changed it is the constant support and blessing of our parents, family and friends. There is no doubt, in spite of my strenuous efforts error might remain in mini project. Naturally, we alone take full responsibility for any lack of clarity, occasional erratum or inexactness that may occur.

Keshav R Karanth 4CB18CS033

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## 1.Write a JavaScript to design a simple calculator to perform the following operations: sum, product, difference and quotient.

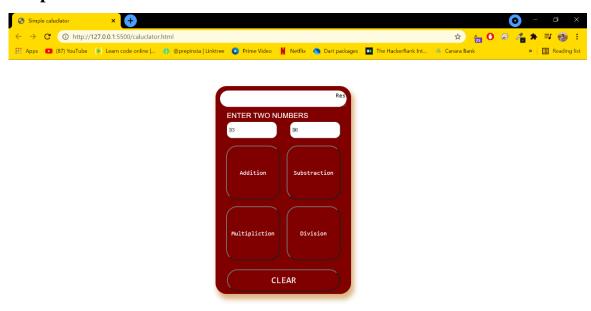
#### Code:

```
<!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>Simple caluclator</title>
    <style>
        .main-div {
            width: 100%;
            height: 100%;
        }
        p {
            margin: 0;
            color: #fff;
            font-family: sans-serif;
            padding-left: 25px;
        }
        .section {
            position: absolute;
            width: 300px;
            height: auto;
            margin-top: 50px;
            margin-left: 450px;
            border-radius: 25px;
            background-color: maroon;
            box-shadow: 5px 10px 10px 2px burlywood;
            z-index: 3;
            display: flex;
            flex-direction: column;
        }
        #answer {
            margin: 10px;
            border-radius: 25px;
            border: none;
            text-decoration: none;
            outline: none;
```

```
padding-top: 3px;
    text-align: end;
    text-justify: distribute;
    color: black;
    background: white;
}
.input-box {
    display: flex;
    flex-direction: row;
    flex-wrap: wrap;
}
.section .input-box .css-input {
    padding: 5px;
    margin: 5px 5px 5px 25px;
    height: 25px;
    width: 100px;
    font-size: 11px;
    border-width: 0px;
    border-color: #cccccc;
    background-color: #ffffff;
    color: #000000;
    border-style: hidden;
    border-radius: 11px;
    box-shadow: 1px 0px 3px rgba(66, 66, 66, 0.63);
    text-shadow: -7px 0px 5px rgba(66, 66, 66, 0.75);
}
.section .input-box .css-input:focus {
    outline: none;
}
.operators {
    display: flex;
    flex-direction: row;
    flex-wrap: wrap;
    margin: 5px;
    justify-content: center;
}
.operators>button {
    width: 120px;
    height: 120px;
    background-color: white;
    margin: 7px;
    border-radius: 25px;
    text-align: center;
    display: flex;
```

```
justify-content: center;
            align-items: center;
            font-family: monospace;
        }
        #clear {
            background-color: #ffb6e6;
            margin: 7px 25px;
            border-radius: 25px;
            font-family: monospace;
            color: #ffffff;
            font-size: 20px;
            background: #ff99fc;
            padding: 10px 18px 10px 20px;
            text-decoration: none;
        }
        #add,
        #sub,
        #mul,
        #div,
        #clear {
            background-color: maroon;
            color: white;
        }
    </style>
</head>
<body>
    <div class="main-div">
        <div class="section">
            <textarea id="answer" rows="2" cols="50" disabled>Res</textarea
>
            ENTER TWO NUMBERS
            <div class="input-box">
                <input type="number" class="css-</pre>
input" name="first" id="num1" />
                <input type="number" class="css-</pre>
input" name="second" id="num2" />
            </div>
            <div class="operators">
                <button onclick="printhello(this.id)" id="add">Addition/bu
tton>
                <button onclick="printhello(this.id)" id="sub">Substraction
</button>
                <button onclick="printhello(this.id)" id="mul">Multiplictio
n</button>
```

```
<button onclick="printhello(this.id)" id="div">Division</bu</pre>
tton>
            </div>
            <button id="clear">
                CLEAR
            </button>
        </div>
    </div>
    <script>
        function printhello(operator) {
            let val1 = parseInt(document.getElementById("num1").value);
            let val2 = parseInt(document.getElementById("num2").value);
            if (document.getElementById("num1").value.length === 0 || docum
ent.getElementById("num2").value.length === 0) {
                window.alert("Enter two numbers");
            }
            else if (operator == "add")
                document.getElementById("answer").innerHTML = String(val1 +
val2);
            else if (operator == "sub")
                document.getElementById("answer").innerHTML = String(val1 -
 val2);
            else if (operator == "mul")
                document.getElementById("answer").innerHTML = String(val1 *
 val2);
            else if (operator == "div")
                document.getElementById("answer").innerHTML = String(val1 /
val2);
        }
        document.getElementById("clear").onclick = () => {
            document.getElementById("num1").value = "";
            document.getElementById("num2").value = "";
            document.getElementById("answer").innerHTML = "";
        }
    </script>
</body>
</html>
```

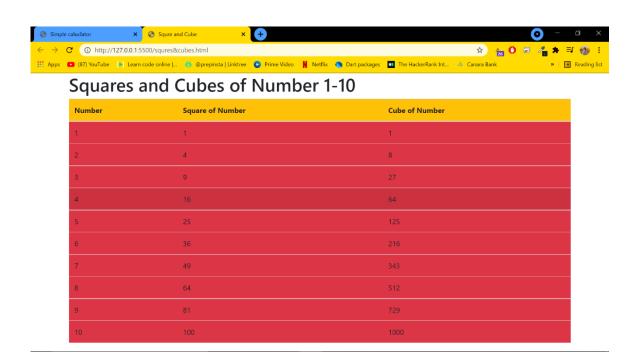


2. Write a JavaScript that calculates the squares and cubes of the numbers from 0 to 10 and outputs HTML text that displays the resulting values in an HTML table format.

#### Code:

```
<!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>Squre and Cube</title>
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstr</pre>
ap/4.1.3/css/bootstrap.min.css"
        integrity="sha384-
MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkF0JwJ8ERdknLPM0" crossorig
in="anonymous">
    <style>
        * {
            margin: 0;
            padding: 0;
            box-sizing: border-box;
            font-size: 100%;
        }
        body {
            height: 100vh;
            width: 100vw;
        }
        .main-div h1 {
            display: flex;
            font-size: 2rem;
            justify-content: center;
            color: #590d22;
            font-family: cursive;
            margin-bottom: 50px;
        }
    </style>
</head>
<body>
    <div class="container">
```

```
<h1>Squares and Cubes of Number 1-10</h1>
      <thead>
            Number
               Square of Number
               Cube of Number
            </thead>
         </div>
   <script>
      const tableBody = document.getElementById('table-
1').getElementsByTagName("tbody")[0];
      for (let index = 1; index <= 10; index++) {</pre>
         const nodeRow = tableBody.insertRow();
         const cell1 = nodeRow.insertCell(0);
         const cell2 = nodeRow.insertCell(1);
         const cell3 = nodeRow.insertCell(2);
         cell1.innerHTML = index;
         cell2.innerHTML = index * index;
         cell3.innerHTML = index * index * index;
      }
   </script>
</body>
</html>
```



3. Write a JavaScript code that displays text "TEXT-GROWING" with increasing font size in the interval of 100ms in RED COLOR, when the font size reaches 50pt it displays "TEXT SHRINKING" in BLUE color. Then the font size decreases to 5pt.

#### Code:

```
Index.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>TEXT-ANIMATION</title>
    <style>
        * {
            margin: 0;
            padding: 0;
            box-sizing: border-box;
        }
        div {
            width: 100vw;
            height: 100vh;
        }
        div h1 {
            width: 100%;
            height: 100%;
            display: grid;
            place-items: center;
            color: red;
    </style>
</head>
<body>
    <div>
        <h1 id="header">
            TEXT-GROWING
        </h1>
    </div>
    <script>
```

```
var id = null;
        const ele = document.getElementById("header");
        var fontsize = 5;
        let inc;
        clearInterval(id);
        id = setInterval(changeFont, 30);
        function changeFont() {
            if (fontsize === 50) {
                inc = true;
                ele.innerHTML = "TEXT-SHRINKING"
                ele.style.color = "blue";
            }
            if (fontsize === 5) {
                inc = false;
                ele.innerHTML = "TEXT-GROWING"
                ele.style.color = "red";
            }
            inc ? --fontsize : ++fontsize;
            ele.style.fontSize = fontsize + "pt"
        }
    </script>
</body>
</html>
```



## **TEXT-GROWING**



## **TEXT-SHRINKING**

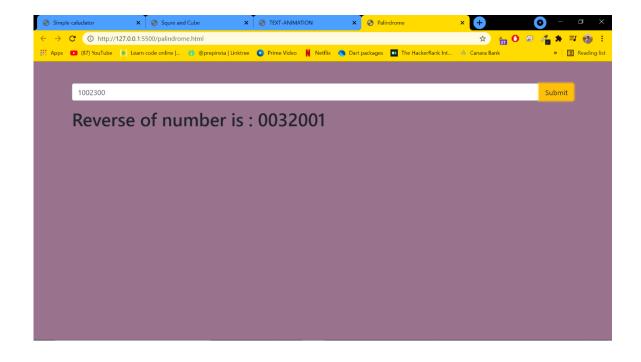
- 4. Develop and demonstrate a HTML5 file that includes JavaScript script that uses functions for the following problems:
- a. Parameter: A string
- b. Output: The position in the string of the left-most vowel
- c. Parameter: A number
- d. Output: The number with its digits in the reverse order

#### Code:

```
<!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>Palindrome</title>
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstr</pre>
ap/4.1.3/css/bootstrap.min.css"
        integrity="sha384-
MCw98/SFnGE8fJT3GXwEOngsV7Zt27NXFoaoApmYm81iuXoPkF0JwJ8ERdknLPM0" crossorig
in="anonymous">
</head>
<body style="background-color: #99738E;">
    <br><br><br>>
    <div class="container">
        <div class="input-group mb-3">
            <input type="text" class="form-</pre>
control" placeholder="String/Number" aria-label="Recipient's username"
                aria-describedby="button-addon2" id="text-ele">
            <div class="input-group-append">
                <button class="btn btn-warning" type="button" id="button-</pre>
addon2" onclick="evalu()">Submit</button>
            </div>
        </div>
        <div class="answer-div">
            <h1 class="answer" id="print-answer"></h1>
        </div>
    </div>
    <script>
```

```
function evalu() {
            let inp = document.getElementById("text-ele").value;
            let z = parseInt(inp);
            let rev = 0;
            if (inp.length === 0) {
                alert("String/Number cannot be null ")
            } else {
                if (z) {
                    rev = inp.split("").reverse().join("")
                    document.getElementById("print-answer").innerHTML =
                        "Reverse of number is : " + rev;
                }
                else {
                    let ans = inp.search(/[aeiouAEIOU]/)
                    document.getElementById("print-answer").innerHTML =
                         "First vowel is found at position : " + (ans + 1);
                    console.log(ans + 1)
                }
            }
        }
    </script>
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"</pre>
        integrity="sha384-
q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
        crossorigin="anonymous"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/um</pre>
d/popper.min.js"
        integrity="sha384-
ZMP7rVo3mIykV+2+9J3UJ46jBk0WLaUAdn689aCwoqbBJiSnjAK/18WvCWPIPm49"
        crossorigin="anonymous"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/boot</pre>
strap.min.js"
        integrity="sha384-
ChfqqxuZUCnJSK3+MXmPNIyE6ZbWh2IMqE241rYiqJxyMiZ6OW/JmZQ5stwEULTy"
        crossorigin="anonymous"></script>
</body>
</html>
```





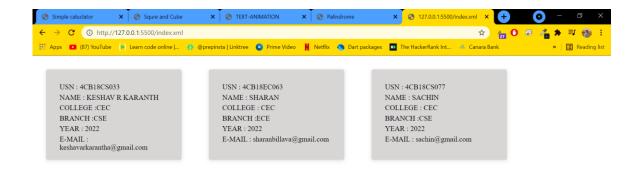
5. Design an XML document to store information about a student in an engineering college affiliated to VTU. The information must include USN, Name, and Name of the College, Programme, Year of Joining, and email id. Make up sample data for 3 students. Create a CSS style sheet and use it to display the document.

#### Code:

## index.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="styles.css"?>
<STUDENTDATA>
    <STUDENT>
        <usn>usn>usn : 4CB18CS033</usn>
        <NAME>NAME : KESHAV R KARANTH</NAME>
        <COLLEGE>COLLEGE : CEC</COLLEGE>
        <BRANCH>BRANCH :CSE
        <YEAR>YEAR : 2022</YEAR>
        <EMAIL>E-MAIL : keshavarkarantha@gmail.com</EMAIL>
    </STUDENT>
    <STUDENT>
        <usn>usn : 4CB18EC063</usn>
        <NAME>NAME : SHARAN </NAME>
        <COLLEGE>COLLEGE : CEC</COLLEGE>
        <BRANCH>BRANCH : ECE</BRANCH>
        <YEAR>YEAR : 2022</YEAR>
        <EMAIL>E-MAIL : sharanbillava@gmail.com</EMAIL>
    </STUDENT>
    <STUDENT>
        <usn>usn : 4CB18CS077</usn>
        <NAME>NAME : SACHIN</NAME>
        <COLLEGE>COLLEGE : CEC</COLLEGE>
        <BRANCH>BRANCH : CSE</BRANCH>
        <YEAR>YEAR : 2022</YEAR>
        <EMAIL>E-MAIL : sachin@gmail.com</EMAIL>
    </STUDENT>
</STUDENTDATA>
styles.css
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-size: 100%;
```

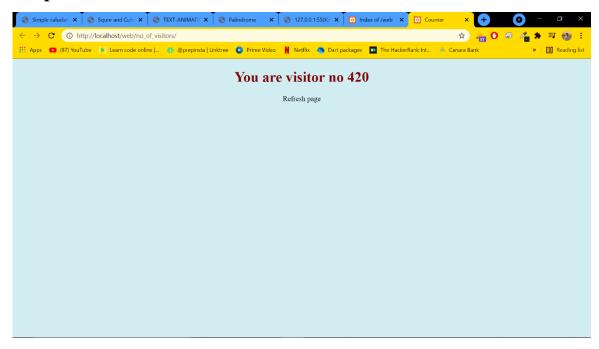
```
}
STUDENTDATA{
   width: 100vw;
   height: 100vh;
    display: flex;
    flex-direction: row;
    flex-wrap: wrap;
}
STUDENT{
    width: 300px;
    height: 200px;
    padding: 30px;
    margin: 30px;
    display: flex;
    flex-direction: column;
    background-color: rgb(216, 213, 213);
    box-shadow: rgba(99, 99, 99, 0.2) 0px 2px 8px 0px;
    border-radius: 5px;
USN,NAME,COLLEGE,BRANCH,YEAR,EMAIL{
    margin-bottom: 5px;
    color: black;
    font-weight: 500;
}
```



6. Write a PHP program to keep track of the number of visitors visiting the web page and to display this count of visitors, with proper headings

#### Code:

```
<!DOCTYPE html>
    <head>
        <title> Counter</title>
    </head>
    <style>
        body{
            background-color:#d1edf2;
            text-align:center;
        }
        h1{
            color:maroon;
        }
        p{
        }
    </style>
    <body>
<?php
   $handle = fopen("count.txt", "r");
    if(!$handle) {
        echo "could not open file";
    }
   else {
        $cnt = fgets($handle);
        fclose($handle);
        $cnt += 1;
        echo "<h1> You are visitor no $cnt </h1>";
        echo " Refresh page ";
        $handle = fopen("count.txt", "w");
        fwrite($handle, $cnt);
        fclose($handle);
    }
?>
</body>
</html>
```



## 7. Write a PHP program to display a digital clock which displays the current time of the server.

## **Code:**

```
7.php
```

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<meta http-equiv="refresh" content="1">
<title>Digital clock</title>
</head>
<body>
<center>
<h1>Display Current Date & Time</h1>
<h2>
<?php
echo "The time from the server is <span style='color:tomato';> " . date("h:
i:sa")."
</span>";
echo '<br />';
echo "Today's Date is <span style='color:tomato';>" . date("d-m-Y");
date_default_timezone_set('Asia/Kolkata');
echo " </span> and Current Time is <span style='color:red';>" . date("h:i:s
a") .
"</span>";
?>
</h2>
</center>
</body>
</html>
```



#### **Display Current Date & Time**

The time from the server is 08:46:39pm Today's Date is 25-07-2021 and Current Time is 12:16:39 am

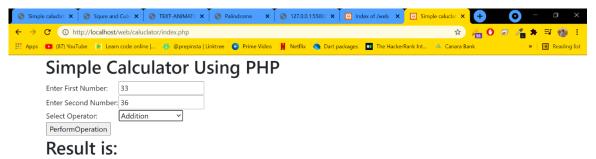
## 8. Write the PHP programs to do the following:

a. Implement simple calculator operations.

## **Code:**

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Simple caluclator</title>
<!-- CSS only -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap</pre>
.min.css" rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorig
in="anonymous">
</head>
<body>
<div class="container">
<h1>Simple Calculator Using PHP</h1>
<form action="index.php" method="post">
Enter First Number: <input type="text" name="first" requir</pre>
autocomplete="off"/>
Enter Second Number: <input type="text" name="second"
required
autocomplete="off"/>
Select Operator: <
<select name="op">
<option>Select Operation</option>
<option value="+">Addition</option>
<option value="-">Subtraction</option>
<option value="*">Multiplication</option>
<option value="/">Division</option>
<option value="%">Remainder</option>
</select>
<input type="submit" name="pop" value="Perform"
Operation"/>
</form>
<?php
if(isset($_POST['pop'])) {
echo "<h1>Result is: </h1>";
$num1 = $ POST["first"];
$num2 = $ POST["second"];
$op = $_POST["op"];
$result = 0;
```

```
switch($op) {
case '+' : $result = $num1 + $num2;
echo "<h1>Addition of two Numbers: " . $result . "</h1>";
case '-' : $result = $num1 - $numtwo;
echo "<h1>Subtraction of two Numbers: " . $result . "</h1>";
case '*' : $result = $num1 * $num2;
echo "<h1>Product of two Numbers: " . $result . "</h1>";
break;
case '/' : $result = $num1 / $num2;
echo "<h1>Division of two Numbers: " . $result . "</h1>";
break;
case '%' : $result = $num1 % $num2;
echo "<h1>Remainder of two Numbers: " . $result . "</h1>";
break;
default : echo "<h1 style='color:red;'>Sorry, No Operation Found</h1>";
}
}
?>
</div>
</body>
</html>
```



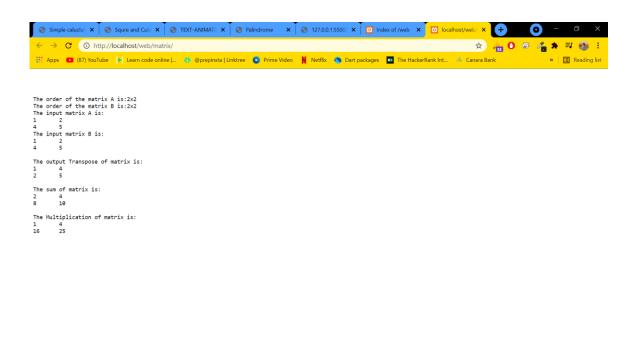
Addition of two Numbers: 69

- 8. Write the PHP programs to do the following:
- b. Find the transpose of a matrix.
- c. Multiplication of two matrices.
- d. Addition of two matrices.

#### Code:

```
<?php
header('Content-
Type: text/plain'); //without this header "\t and \n" wont work
// transpose matrix
matrix1 = array(array(1, 2), array(4, 5));
matrix2 = array(array(1, 2), array(4, 5));
echo "\n\n\n";
echo "The order of the matrix A is:" . count($matrix1) . "x" . count($matri
x1[0]);
echo "\n";
echo "The order of the matrix B is:" . count($matrix2) . "x" . count($matri
x2[0]);
echo "\n";
$rowCount = count($matrix1); //Provides the rowcount of matrix
$colCount = count($matrix1[0]); //Provides the column count of matrix
echo "The input matrix A is:\n";
for ($r = 0; $r < $rowCount; $r++) {
for ($c = 0; $c < $colCount; $c++) {</pre>
echo $matrix1[$r][$c] . " \t";
}
echo "\n";
}
echo "The input matrix B is:\n";
for ($r = 0; $r < $rowCount; $r++) {
for ($c = 0; $c < $colCount; $c++) {</pre>
echo $matrix2[$r][$c] . " \t";
}
echo "\n";
}
//The transpose of the matrix
echo "\nThe output Transpose of matrix is:\n";
for ($r = 0; $r < $colCount; $r++) {</pre>
for ($c = 0; $c < $rowCount; $c++) {</pre>
echo $matrix1[$c][$r] . " \t";
}
echo "\n";
$rowCount = count($matrix1); //Provides the rowcount of matrix
$colCount = count($matrix1[0]); //Provides the column count of matrix
```

```
$rowCount2 = count($matrix2);
$colCount2 = count($matrix2[0]);
//The sum of the matrix
echo "\nThe sum of matrix is:\n";
for ($r = 0; $r < $rowCount; $r++) {
for ($c = 0; $c < $colCount; $c++) {</pre>
$val = $matrix1[$r][$c] + $matrix2[$r][$c];
echo $val . "\t";
}
echo "\n";
}
$rowCount = count($matrix1); //Provides the rowcount of matrix
$colCount = count($matrix1[0]); //Provides the column count of matrix
$rowCount2 = count($matrix2);
$colCount2 = count($matrix2[0]);
//The Multiplication of the matrix
echo "\nThe Multiplication of matrix is:\n";
if($colCount == $rowCount2)
for($r = 0;$r < $rowCount;$r++)
for($c = 0;$c < $colCount;$c++)</pre>
$val = $matrix1[$r][$c] * $matrix2[$r][$c];
echo $val."\t";
}
echo "\n";
}
} else {
echo "The matrix multiplication is not possible.";
?>
```



- 9. Write a PHP program named states.py that declares a variable states with value "Mississippi Alabama Texas Massachusetts Kansas". write a PHP program that does the following:
- a. Search for a word in variable states that ends in xas. Store this word in element 0 of a list named statesList.
- b. Search for a word in states that begins with k and ends in s. Perform a case-insensitive comparison. [Note: Passing re.Ias a second parameter to method compile performs a case-insensitive comparison.] Store this word in element1 of statesList.
- c. Search for a word in states that begins with M and ends in s. Store this word in element 2 of the list.
- d. Search for a word in states that ends in a. Store this word in element 3 of the list.

#### Code:

```
<?php
header('Content-Type: text/plain');
$allTheStates = "Mississippi Alabama Texas Massachusetts Kansas";
$statesArray = Array();
$states1 = explode(' ', $allTheStates);
$i = 0;
//states that ends in xas
foreach ($states1 as $state)
if (preg_match('/xas$/', ($state)))
$statesArray[$i] = ($state);
$i = $i + 1;
print "\nThe States that ends in xas:" . $state;
}
//states that begins with k and ends in s
foreach ($states1 as $state)
{
if (preg_match('/^k.*s$/i', ($state)))
{
   $statesArray[$i] = ($state);
$i = $i + 1;
echo "\nThe states that begins with k ans ends in s:" . $state;
```

```
}
}
//states that begins with M and ends in s
foreach($states1 as $state)
{
if (preg_match('/^M.*s$/', ($state)))
$statesArray[$i] = ($state);
$i = $i + 1;
echo "\nThe states that begins with M and ends in s:" . $state;
}
}
//states that ends in a
foreach($states1 as $state)
if (preg_match('/a$/', ($state)))
$statesArray[$i] = ($state);
$i = $i + 1;
echo "\nThe states that ends in a:" . $state;
}
foreach ($statesArray as $element => $value)
print( "\n" . $value . " is the element " . $element);
?>
```

```
Simple caludal X Squre and Cub X Squre and Cub
```

## 10. Write a PHP program to sort the student records which are stored in the database using selection sort

#### Code:

```
<u>10.php</u>
<html>
   <head>
       <title>Student DB</title>
   </head>
<body>
<style> table, td, th
{
border: 1px solid black; width: 33%;
text-align: center; border-collapse:collapse;
background-color:lightblue;
}
table { margin: auto; }
</style>
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "weblab";
$a=[];
$conn = mysqli_connect($servername, $username, $password, $dbname);
if ($conn->connect_error)
die("Connection failed: " . $conn->connect_error);
$sql = "SELECT * FROM student";
$result = $conn->query($sq1); echo "<br>";
echo "<center> BEFORE SORTING </center>"; echo "";
echo "";
echo "USNNAMEAddress";
if ($result->num rows> 0)
{
while($row = $result->fetch assoc()){
echo "";
echo "". $row["usn"]."";
echo "". $row["name"].""; echo "". $row["addr"]."";
array_push($a,$row["usn"]);
}
}
else
```

```
echo "Table is Empty"; echo "";
$n=count($a);
$b=$a;
for ($i = 0; $i < ($n - 1); $i++)
{
$pos= $i;
for (\$j = \$i + 1; \$j < \$n; \$j++) { if (\$a[\$pos] > \$a[\$j])
$pos= $j;
}
if ( $pos!= $i ) {
$temp=$a[$i];
a[$i] = a[$pos];
$a[$pos] = $temp;
}
}
$c=[];
$d=[];
$result = $conn->query($sq1);
if ($result->num_rows> 0)// output data of each row
while($row = $result-
>fetch_assoc()) { for($i=0;$i<$n;$i++) { if($row["usn"]== $a[$i]) {
$c[$i]=$row["name"];
$d[$i]=$row["addr"];
}
}
}
}
echo "<br>";
echo "<center> AFTER SORTING <center>"; echo "";
echo "";
echo "USNNAMEAddress"; for($i=0;$i<$n;$i++)
{
echo "";
echo "". $a[$i]."";
echo "". $c[$i]."";
echo "". $d[$i]."";
}
echo "";
$conn->close();
?>
</body>
</html>
```



#### BEFORE SORTING

USN	NAME	Address
4CB18CS033	Keshav R Karanth	# 26 siddapur road hospete badavane halesorab sorab
4CB18CS055	Nishanth K	Kasargod
4CB18EC063	Sharan	Kundapur
4CB18CS077	Sachin	Udupi
4CB18CS001	Adarsh	33 Shiroor

#### AFTER SORTING

USN	NAME	Address
4CB18CS001	Adarsh	33 Shiroor
4CB18CS033	Keshav R Karanth	# 26 siddapur road hospete badavane halesorab sorab
4CB18CS055	Nishanth K	Kasargod
4CB18CS077	Sachin	Udupi
4CB18EC063	Sharan	Kundapur