

//web 1.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Simple Calculator</title>
```

```
<script>
```

```
function compute(operator)
```

```
{
```

```
  opnd1 = parseFloat(op1.value);
```

```
  opnd2 = parseFloat(op2.value);
```

```
  switch(operator)
```

```
  {
```

```
    case '+': result.value = opnd1 + opnd2; break;
```

```
    case '-': result.value = opnd1 - opnd2; break;
```

```
    case '*': result.value = opnd1 * opnd2; break;
```

```
    case '/': result.value = opnd1 / opnd2; break;
```

```
  }
```

```
}
```

```
</script>
```

```
<style>
```

```
body {
```

```
  text-align: center;
```

```
  background-color:yellow;
```

```
}
```

```
input {
```

```
margin:10px;

text-align: center;

}

input#result{

font-weight: bold;

}

</style>

</head>

<body>

<h1>Simple Calculator</h1>

<input type="number" id="op1" placeholder="Enter a number"/><br>

<input type="number" id="op2" placeholder="Enter a number"/><br>

<button onclick="compute('+')">+</button>

<button onclick="compute('-')">-</button>

<button onclick="compute('*')">x</button>

<button onclick="compute('/')">/</button>

<input type="text" id="result" readonly/><br>

</body>

</html>
```

.....

//web 3.html

```
<!DOCTYPE html>

<html>

<head>

<title>Growing Shrinking Text</title>

<script>

var fontsize = 12;

var growing = true;

function controlText()

{

if(fontsize == 50)

{

message.style.color = "blue";

message.innerHTML = "TEXT-SHRINKING";

growing = false;

}

if(growing && fontsize < 50)

message.style.fontSize = ++fontsize + "pt";

else if(!growing && fontsize > 5)

message.style.fontSize = --fontsize + "pt";

else

clearInterval();

}

</script>

<style>

#message {

color:red;

text-align:center;
```

```
padding-top:150px;

}

</style>

</head>

<body onload = "setInterval(controlText, 100);">

<div id="message">TEXT-GROWING</div>

</body>

</html>
```

.....

```
//web 6.php
```

```
<?php

//Track webpage visitors count

function getCount()

{

$filename = "counter.txt";

file_exists($filename) or die("<h3>Sorry, counter file does not exist.<h3>");

$fh = fopen($filename, "r+") or die("<h3>Sorry, couldn't open counter file.<h3>");

$count = fgets($fh) + 1;

fseek($fh, 0);

fputs($fh, $count);

fclose($fh);

return $count;

}
```

```
?>

<!DOCTYPE html>

<html>

<head>

<title>Visitors Count</title>

</head>

<body style='background-color:#eeeeee'>

<div style='text-align:center; margin-top:150px'>

<h2> Visitor count :

<span style='color:red'> <?php echo getCount() ?> </span>

</h2>

</div>

</body>

</html>
```

.....

```
//web 8(8_lib,8a,8b,8c,8d)
```

```
//8_lib.php
```

```
<?php

function compute($a, $operation, $b) //Arithmetic Calculator
{
switch($operation)
{
```

```

case '+': return $a + $b;

case '-': return $a - $b;

case '*': return $a * $b;

case '/': return $a / $b;

case '%': return $a % $b;

}

}

function matrix_print($m)

//Print matrix in rows & column form

{

for($i=0; $i<3; $i++)

{

for($j=0; $j<3; $j++)

{

echo $m[$i][$j] . "&nbsp;&nbsp;&nbsp;";

}

echo "<br>";

}

}

function matrix_sum($a, $b)

//Addition of Matrix a & b

{

for($i=0; $i<3; $i++)

{

for($j=0; $j<3; $j++)

{

$c[$i][$j] = $a[$i][$j] + $b[$i][$j];

```

```

}

}

return $c;

}

function matrix_product($a, $b) //Multiply matrix a & b
{
    for($i=0; $i<3; $i++)
    {
        for($j=0; $j<3; $j++)
        {
            $c[$i][$j] = 0;
            for($k=0; $k<3; $k++)
            {
                $c[$i][$j] += $a[$i][$k] * $b[$k][$j];
            }
        }
    }
    return $c;
}

function matrix_transpose($a) //Compute Matrix Transpose
{
    for($i=0; $i<3; $i++)
    {
        for($j=0; $j<3; $j++)
        {
            $b[$i][$j] = $a[$j][$i];
        }
    }
}

```

```
}
```

```
return $b;
```

```
}
```

```
?>
```

```
//*****
```

```
//8a.php
```

```
<?php
```

```
//Simple Calculator
```

```
include "8_lib.php";
```

```
$op1= 10;
```

```
$op2= 2;
```

```
$operation = "+";
```

```
$result = compute($op1, $operation, $op2);
```

```
echo "<h3>$op1 $operation $op2 = $result</h3>";
```

```
?>
```

```
//*****
```



```
//8b.php
```

```
<?php
```

```
//Matrix Transpose
```

```
include "8_lib.php";
```

```
$a = array(array(1,2,3), array(4,5,6), array(7,8,9));
```

```
$b = matrix_transpose($a);
```

```
echo "<br>Original Matrix A<br>";
```

```
matrix_print($a);
```

```
echo "<br>Matrix Transpose A<sup>T</sup><br>";
```

```
matrix_print($b);
```

```
?>
```

```
//*****
```

```
//8c.php
```

```
<?php
```

```
//Matrix Multiplication
```

```
include "8_lib.php";
```

```
$a = array(array(1,2,3), array(4,5,6), array(7,8,9));
```

```
$b = array(array(1,2,3), array(4,5,6), array(7,8,9));
```

```
$c = matrix_product($a, $b);
```

```
echo "<br>Matrix A<br>";

matrix_print($a);

echo "<br>Matrix B<br>";

matrix_print($b);

echo "<br>Matrix Product A x B<br>";

matrix_print($c);

?>
```

```
//*****
```

```
//8d.php
```

```
<?php

//Matrix Addition

include "8_lib.php";

$a = array(array(1,2,3), array(4,5,6), array(7,8,9));

$b = array(array(1,2,3), array(4,5,6), array(7,8,9));

$c = matrix_sum($a, $b);

echo "<br>Matrix A<br>";

matrix_print($a);

echo "<br>Matrix B<br>";

matrix_print($b);

echo "<br>Matrix Sum A + B<br>";

matrix_print($c);

?>
```

//web 9.php

<?php

```
$states = "Mississippi Alabama Texas Massachusetts Kansas";
```

```
$statesArray = [];
```

```
$states1 = explode(' ', $states);
```

```
echo "Original Array :<br>";
```

```
foreach ( $states1 as $i => $value )
```

```
print("STATES[$i]=$value<br>");
```

```
foreach($states1 as $state) {
```

```
if(preg_match( '/xas$/', ($state)))
```

```
$statesArray[0] = ($state);
```

```
}
```

```
foreach($states1 as $state) {
```

```
if(preg_match('/^k.*s$/i', ($state)))
```

```
$statesArray[1] = ($state);
```

```
}
```

```
foreach($states1 as $state) {
```

```
if(preg_match('/^M.*s$/', ($state)))
```

```
$statesArray[2] = ($state);
```

```
}
```

```
foreach($states1 as $state){
```

```
if(preg_match('/a$/', ($state)))
```

```
$statesArray[3] = ($state);  
  
}  
  
echo "<br><br>Resultant Array :<br>";  
  
foreach ( $statesArray as $array => $value )  
    print("STATES[$array]=$value<br>");  
  
?>
```