

DVR - SetUp Wizard

localhost:82/WTA/Program8/calc.php

Incognito

# Simple Calculator Using PHP

Enter First Number:

Enter Second Number:

Select Operator:

## Result is

**Product of 2 Numbers: 1944**

Type here to search

13:19  
05-Dec-20

DVR - SetUp Wizard    X    localhost:82/WTA/Program8/tran    +

localhost:82/WTA/Program8/transpose.php

The order of the matrix A is: 2x2  
The order of the matrix B is: 2x2

The input matrix A is:  
1        2  
4        5

The input matrix B is:  
4        6  
1        8

Transpose of matrix 1 is:  
1        4  
2        5

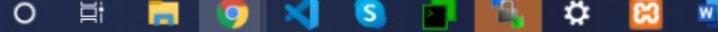
Transpose of matrix 2 is:  
4        1  
6        8

The sum of matrix is:  
5        8  
5        13

The Multiplication of matrix is:  
6        22  
21       64



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TITLE: Program 8- a)

Expt. No.: 8

Date: 08-12-2020.

## a). Simple calculator

&lt;!DOCTYPE html&gt;

&lt;html&gt;

&lt;body&gt;

&lt;form action='calc.php' method='post'&gt;

&lt;table&gt;

&lt;tr&gt;

&lt;td&gt; Enter first number : &lt;/td&gt;

&lt;td&gt; &lt;input type='number' name='first' &gt; &lt;/td&gt;

&lt;tr&gt; &lt;td&gt; Enter second : &lt;/td&gt;

&lt;td&gt; &lt;input type='number' name='second' /&gt; &lt;/td&gt;

&lt;/tr&gt;

&lt;tr&gt;

&lt;td&gt; Select Operator : &lt;/td&gt;

&lt;td&gt; &lt;select name="op"&gt;

&lt;option&gt; Select Operation &lt;/option&gt;

&lt;option value="2"&gt; Addition &lt;/option&gt;

&lt;option value="-"&gt; Subtraction &lt;/option&gt;

&lt;option value="\* "&gt; multiplication &lt;/option&gt;

Division.

Remainder

&lt;/select&gt;

&lt;td&gt; &lt;/td&gt;

&lt;tr&gt; &lt;td colspan="2" &gt; &lt;input type='submit' name="pop" value="perform op" /&gt; &lt;/td&gt;

&lt;/table&gt;

&lt;/form&gt;

Marks :

Staff :

C) PHP?

if (isint(\$POST["num1"]))

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 2 numbers : ". \$result . "</h1>";

break;

case '-': \$result = \$num1 - \$num2;

echo "<h1>Subtraction ". \$result . "</h1>";

break;

=  
=

break;

default: echo "<h1>No operation found</h1>";

break;

}

}

>

</body>

</html>

Output

Enter num1:	<input type="text"/>
Enter num2:	<input type="text"/>
Select opnd:	<input checked="" type="radio"/>
Result of 2 numbers is:	<input type="text"/>

TITLE: Program 8 b)

Expt. No.: 86.)

Date: 05-12-2020

## b) Transpose, sum, multiplication of Matrix.

C++ program

```
$matrix1 = array (array (1, 2), array (4, 5));
$matrix2 = array (array (4, 6), array (1, 1));
$rowCount = count ($matrix1);
$colCount = count ($matrix1[0]);
$rowCount2 = count ($matrix2);
$colCount2 = count ($matrix2[0]);
echo "Input matrix1 is: \n";
for ($r=0; $r < $rowCount; $r++) {
    for ($c=0; $c < $colCount; $c++) {
        echo $matrix1[$r][$c] . " ";
    }
    echo "\n";
}
echo "Transpose of matrix1 : ";
for ($r=0; $r < $rowCount; $r++) {
    for ($c=0; $c < $colCount; $c++) {
        echo $matrix1 [$c] [$r] . " ";
    }
    echo "\n";
```

Marks :

Staff :

```
echo "The sum of matrix: \"$";  
for($r=0; $r < $rowCount; $r++) {  
    for($c=0; $c < $colCount; $c++) {  
        $sum = $matrix1[$r][$c] + $matrix2[$r][$c];  
        echo $sum; if ($c == $colCount - 1) {  
            echo "\n";  
        }  
    }  
}
```

```
echo "In the multiplication of matrix 1x:$m";  
if ($colCount1 == $rowCount2) {  
    {
```

```
$result = array();  
for($i=0; $i < $rowCount1; $i++) {  
    for($j=0; $j < $colCount2; $j++) {  
        $sum = 0;  
        for($k=0; $k < $rowCount1; $k++) {  
            $sum += $matrix1[$i][$k] * $matrix2[$k][$j];  
        }  
        $result[$i][$j] = $sum;  
    }  
}
```

```
else{$result[$i][$j] = 'N';}  
}
```

```
}  
echo 'In';  
}
```

```
}  
else {echo "matrix multiplication is not possible";}  
}
```

```
27
```

TITLE : \_\_\_\_\_

Expt. No. : \_\_\_\_\_

Date : \_\_\_\_\_

Output:Input matrix 1 :

$$\begin{matrix} 1 & 2 \\ 4 & 5 \end{matrix}$$

Input matrix 2 :

$$\begin{matrix} 4 & 6 \\ 1 & 8 \end{matrix}$$

Transpose of matrix 1 :

$$\begin{matrix} 1 & 4 \\ 2 & 5 \end{matrix}$$

Transpose of matrix 2 :

$$\begin{matrix} 4 & 1 \\ 6 & 8 \end{matrix}$$

Sum of matrix :

$$\begin{matrix} 1 & 8 \\ 1 & 12 \end{matrix}$$

Multiplication of matrix :

$$\begin{matrix} 6 & 22 \\ 21 & 64 \end{matrix}$$

Marks :

Staff :