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<!DOCTYPE html>
<html>
<head>
  <title>PHP Calculator</title>
</head>
<body>
  <h2>Basic Calculator</h2>
  <form method="post" action="<?php
echo
htmlspecialchars($_SERVER["PHP_SELF"])
;?>">
    <input type="text" name="num1"
placeholder="Enter first number">
    <select name="operator">
      <option value="add">+</option>
      <option value="subtract">-</option>
      <option value="multiply">*</option>
      <option value="divide">/</option>
      <option value="percentage">%</
option>
      <option value="square_root">√</
```

option>

<option value="logarithm">log</

option>

</select>

<input type="text" name="num2"  
placeholder="Enter second number">

<input type="submit"  
value="Calculate">

</form>

<?php

if (\$\_SERVER["REQUEST\_METHOD"] ==  
"POST") {

\$num1 = \$\_POST['num1'];

\$num2 = \$\_POST['num2'];

\$operator = \$\_POST['operator'];

\$result = "";

switch (\$operator) {

case "add":

\$result = \$num1 + \$num2;

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        break;
    case "subtract":
        $result = $num1 - $num2;
        break;
    case "multiply":
        $result = $num1 * $num2;
        break;
    case "divide":
        if ($num2 == 0) {
            $result = "Cannot divide by
zero!";
        } else {
            $result = $num1 / $num2;
        }
        break;
    case "percentage":
        $result = ($num1 / 100) * $num2;
        break;
    case "square_root":
        $result = sqrt($num1);
        break;
```

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case "logarithm":
```

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    $result = log($num1, $num2);
```

```
    break;
```

```
}
```

```
echo "<h3>Result: $result</h3>";
```

```
}
```

```
?>
```

```
</body>
```

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</html>
```