

6. Write a PHP program to create an associative array representing a dictionary with words as keys and their meanings as values. Allow users to input a word and display its meaning if found, otherwise, display a "Word not found" message. (Please keep 10 pairs of keys and their meanings)

Dictionary

Enter a word:

Meaning: A fruit that grows on trees.

Dictionary

Enter a word:

Word not found.

```
<?php
```

```
// Define the dictionary as an associative array
```

```
$dictionary = array(
```

```
    "apple" => "round fruit",
```

```
    "banana" => "curved fruit",
```

```
    "carrot" => "orange root vegetable",
```

```
    "dog" => "domesticated mammal",
```

```
    "elephant" => "large mammal with tusks",
```

```
    "flower" => "reproductive plant part",
```

```
);
```

```
// Check if the form has been submitted
```

```
if($_SERVER["REQUEST_METHOD"] == "POST") {
```

```
    // Get the word entered by the user
```

```
    $searchWord = strtolower($_POST["word"]);
```

```
    // Check if the word exists in the dictionary
```

```
    if(array_key_exists($searchWord, $dictionary)) {
```

```
        // If found, display its meaning
```

```
        $meaning = $dictionary[$searchWord];
```

```
        echo "<p>Meaning of \"\$searchWord\": $meaning</p>";
```

```
    } else {
```

```
        // If not found, display a message
```

```
        echo "<p>Word not found</p>";
```

```
    }
```

```
}
```

```
?>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```

<body>
  <h1>Dictionary</h1>
  <form method="post" >
    <label for="word">Enter a word:</label>
    <input type="text" id="word" name="word">
    <button type="submit">Search</button>
  </form>
</body>
</html>

```

7. Write a PHP program that includes a user form with a text field and submit buttons for various string manipulations. It will display the result accordingly. (for replace, replace 'a' with 'x').

String Manipulation

Enter a string:

Shuffled string: niLda

```

<!DOCTYPE html>
<html>
<head>
  <title>String Manipulation</title>
</head>
<body>
  <h2>String Manipulation</h2>
  <form method="post">
    <label for="inputString">Enter a string:</label><br>
    <input type="text" id="inputString" name="inputString"><br><br>

    <input type="submit" name="operation" value="Get Length">
    <input type="submit" name="operation" value="Upper Case">
    <input type="submit" name="operation" value="Lower Case">
    <input type="submit" name="operation" value="Replace">
    <input type="submit" name="operation" value="Check Palindrome">
    <input type="submit" name="operation" value="Shuffle">
    <input type="submit" name="operation" value="Word Count">
  </form>

```

```
<?php
if(isset($_POST['inputString'])) {
    $inputString = $_POST['inputString'];
    $operation = $_POST['operation'];
    switch ($operation) {
        case 'Get Length':
            echo "<p>Length of the string: " . strlen($inputString) . "</p>";
            break;

        case 'Upper Case':
            echo "<p>Uppercase: " . strtoupper($inputString) . "</p>";
            break;

        case 'Lower Case':
            echo "<p>Lowercase: " . strtolower($inputString) . "</p>";
            break;

        case 'Replace':
            $resultString = str_replace('a', 'b', $inputString);
            echo "<p>After replacing 'a' with 'b': $resultString</p>";
            break;

        case 'Check Palindrome':
            if(strtolower($inputString) == strrev(strtolower($inputString))) {
                echo "<p>The string is a palindrome.</p>";
            } else {
                echo "<p>The string is not a palindrome.</p>";
            }
            break;

        case 'Shuffle':
            echo "<p>Shuffled string: " . str_shuffle($inputString) . "</p>";
            break;

        case 'Word Count':
```

```
$words = str_word_count($inputString);  
echo "<p>Word count: $words</p>";  
break;
```

```
default:
```

```
echo "<p>Please select a valid operation.</p>";  
break;
```

```
}
```

```
}
```

```
?>
```

```
</body>
```

```
</html>
```