

Slip 15: HTML Program - String Operations Form

```
<html>
<body>
  <form action="slip15.php" method="get">
    Enter a string: <input type="text" name="string"><br>
    <input type="radio" name="op" value="first5"> Select first 5 words<br>
    <input type="radio" name="op" value="tolower"> Convert to lowercase and
then Title case<br>
    <input type="radio" name="op" value="pad"> Pad with "*" on both sides<br>
    <input type="radio" name="op" value="trim"> Remove leading spaces<br>
    <input type="radio" name="op" value="reverse"> Reverse the string<br>
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

PHP File (slip15.php)

```
<?php
$string = $_GET['string'];
$op = $_GET['op'];

switch ($op) {
  case 'first5':
    $words = explode(' ', $string);
    echo implode(' ', array_slice($words, 0, 5));
    break;
  case 'tolower':
    echo ucwords(strtolower($string));
    break;
  case 'pad':
    echo str_pad($string, strlen($string) + 4, '*', STR_PAD_BOTH);
    break;
  case 'trim':
    echo ltrim($string);
    break;
  case 'reverse':
    echo strrev($string);
    break;
}
?>
```

Slip 15: Python Program - Random Array Plotting

```
import numpy as np
import matplotlib.pyplot as plt

data = np.random.randint(1, 100, 50)

plt.plot(data, color='blue')
plt.title('Line Chart')
plt.show()

plt.scatter(range(50), data, color='red')
```

```
plt.title('Scatter Plot')  
plt.show()
```

```
plt.hist(data, bins=10, color='green')  
plt.title('Histogram')  
plt.show()
```

```
plt.boxplot(data)  
plt.title('Box Plot')  
plt.show()
```