Slip 9: HTML Program - PHP String Manipulation

```html
<html>
<body>
<form action="slip9.php" method="get">
  Enter a string: <input type="text" name="str1"><br>
  Choose a separator:
  <select name="sep">
    <option value="#">#</option>
    <option value="!">!</option>
    <option value="@">@</option>
  </select><br>
  <input type="radio" name="op" value="a"> Split the string using the
separator<br>
  <input type="radio" name="op" value="b"> Replace the occurrences of the
separator with another separator<br>
  <input type="radio" name="op" value="c"> Find the last word of the
string<br>
  <input type="submit" value="Submit">
</form>
</body>
</html>
```

PHP File (slip9.php)

```php
<?php
$str = $_GET['str1'];
$sep = $_GET['sep'];
$op = $_GET['op'];

switch ($op) {
  case 'a':
    $words = explode($sep, $str);
    foreach ($words as $word) {
      echo "$word<br>";
    }
    break;
  case 'b':
    $new_str = str_replace($sep, '!', $str);
    echo "After replacing: $new_str";
    break;
  case 'c':
    $words = explode(" ", $str);
    echo "Last word: " . end($words);
    break;
}
?>
```

Slip 9: Python Program - Random Array Plotting

```python
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()
```