

Slip 20: HTML Program - PHP Menu-driven File Operations

```
<html>
<body>
  <form action="slip20.php" method="POST">
    Enter filename: <input type="text" name="filename"><br>
    <input type="radio" name="operation" value="type"> Display file type<br>
    <input type="radio" name="operation" value="modtime"> Display last
modification time<br>
    <input type="radio" name="operation" value="size"> Display file size<br>
    <input type="radio" name="operation" value="delete"> Delete file<br>
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

PHP File (slip20.php)

```
<?php
$filename = $_POST['filename'];
$operation = $_POST['operation'];

switch ($operation) {
  case 'type':
    echo "File type: " . filetype($filename);
    break;
  case 'modtime':
    echo "Last modification time: " . date("F d Y H:i:s.",
filemtime($filename));
    break;
  case 'size':
    echo "File size: " . filesize($filename) . " bytes";
    break;
  case 'delete':
    if (unlink($filename)) {
      echo "File deleted successfully";
    } else {
      echo "Error deleting file";
    }
    break;
}
?>
```

Slip 20: 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()
```

Slip 20: Python Program - Pie Chart for Subject Marks

```
import matplotlib.pyplot as plt

subjects = ['Math', 'Physics', 'Chemistry', 'English', 'Biology']
marks = [85, 90, 78, 88, 92]

plt.pie(marks, labels=subjects, autopct='%1.1f%%')
plt.title('Marks Distribution')
plt.show()
```