Slip 17: HTML Program - PHP Sorting Associative Array

```html
<html>
<body>
  <form action="slip17.php" method="POST">
    <input type="submit" value="Sort Array">
  </form>
</body>
</html>
```

PHP File (slip17.php)

```php
<?php
$arr = ["Sagar" => "31", "Vicky" => "41", "Leena" => "39", "Ramesh" => "40"];

echo "<h4>Original Array:</h4>";
print_r($arr);

asort($arr);
echo "<h4>Ascending order by Value:</h4>";
print_r($arr);

ksort($arr);
echo "<h4>Ascending order by Key:</h4>";
print_r($arr);

arsort($arr);
echo "<h4>Descending order by Value:</h4>";
print_r($arr);

krsort($arr);
echo "<h4>Descending order by Key:</h4>";
print_r($arr);
?>
```

Slip 17: Python Program - Iris Dataset Scatter Plot

```python
import pandas as pd
import matplotlib.pyplot as plt

df = pd.read_csv('iris.csv')

plt.scatter(df['sepal_length'], df['sepal_width'], color='blue')
plt.title('Sepal Length vs Sepal Width')
plt.xlabel('Sepal Length')
plt.ylabel('Sepal Width')
plt.show()
```

Slip 17: Python Program - Subject Marks Pie and Bar Chart

```python
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()

plt.bar(subjects, marks, color='skyblue')
plt.title('Marks Bar Chart')
plt.show()
```