

Slip 21: HTML Program - PHP Weather High Temperatures

```
<html>
<body>
  <form action="slip21.php" method="POST">
    <input type="submit" value="Display Weather Data">
  </form>
</body>
</html>
```

PHP File (slip21.php)

```
<?php
$temperatures = [22, 25, 28, 30, 27, 23, 26, 29, 30, 32, 31, 30, 29, 28, 27];
$average = array_sum($temperatures) / count($temperatures);
rsort($temperatures);
$top5 = array_slice($temperatures, 0, 5);

echo "Average High Temperature: $average<br>";
echo "Top 5 Warmest Days:<br>";
foreach ($top5 as $temp) {
    echo "$temp<br>";
}
?>
```

Slip 21: Python Program - Iris Data Bar Plot

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

df = pd.read_csv('iris.csv')
species_count = df['species'].value_counts()

species_count.plot(kind='bar', color='lightblue')
plt.title("Frequency of Iris Species")
plt.xlabel('Species')
plt.ylabel('Count')
plt.show()
```

Slip 21: Python Program - Iris Data Histogram

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

df = pd.read_csv('iris.csv')
df['sepal_length'].plot(kind='hist', bins=20, color='skyblue')
plt.title('Sepal Length Distribution')
plt.show()
```