

## Slip 30: HTML Program - PHP Menu-driven Operations on Associative Array

```
<html>
<body>
  <form action="slip30.php" method="POST">
    <input type="radio" name="op" value="split"> Split Array into Chunks<br>
    <input type="radio" name="op" value="sort"> Sort Array by Values<br>
    <input type="radio" name="op" value="filter"> Filter Even Elements<br>
    <input type="submit" value="Perform Operation">
  </form>
</body>
</html>
```

### PHP File (slip30.php)

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

$op = $_POST['op'];

switch ($op) {
    case 'split':
        $chunks = array_chunk($arr, 2);
        echo "Array split into chunks:<br>";
        print_r($chunks);
        break;
    case 'sort':
        asort($arr);
        echo "Array sorted by values:<br>";
        print_r($arr);
        break;
    case 'filter':
        $evens = array_filter($arr, function($value) {
            return $value % 2 == 0;
        });
        echo "Even elements:<br>";
        print_r($evens);
        break;
}
?>
```

## Slip 30: Python Program - Iris Dataset Visualization

```
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()
```