

Slip 19: HTML Program - PHP String Manipulation

```
<html>
<body>
  <form action="slip19.php" method="POST">
    Enter a sentence: <input type="text" name="sentence"><br>
    Enter a word: <input type="text" name="word"><br>
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

PHP File (slip19.php)

```
<?php
$sentence = $_POST['sentence'];
$word = $_POST['word'];

echo "<h4>Original Sentence:</h4> $sentence<br>";

$position = strpos($sentence, $word);
if ($position !== false) {
    echo "<h4>Position of the word:</h4> $position<br>";
} else {
    echo "<h4>Word not found in the sentence.</h4><br>";
}

$new_sentence = substr_replace($sentence, "", $position, strlen($word));
echo "<h4>Sentence after removing the word:</h4> $new_sentence<br>";

$inserted_sentence = substr_replace($sentence, $word, $position, 0);
echo "<h4>Sentence after inserting the word:</h4> $inserted_sentence<br>";
?>
```

Slip 19: Python Program - Dataframe Creation and Manipulation

```
import pandas as pd

df = pd.DataFrame({
    'name': ['John', 'Jane', 'Jake', 'Jill', 'Josh'],
    'age': [21, 22, 23, 21, 22],
    'percentage': [85, 90, 75, 88, 92]
})

print(df)

df['remarks'] = ''
print('Dataframe after adding empty remarks column:')
print(df)

df.loc[len(df)] = ['Duplicate', 21, 85, '']
print('Dataframe after adding duplicates:')
print(df)
```