Q1)

HTML File-

```
<!DOCTYPE html>
<head>
<title>String Separator Form</title>
<body>
<h1>String Separator Form</h1>
<form action="Demo.php" method="post">
<label for="inputString">Enter a String:</label><br>
<input type="text" id="inputString" name="inputString" required><br><br><br><br>
<label for="separator">Select a Separator:</label><br>
<select id="separator" name="separator">
<option value="#">#</option>
<option value="|">|</option>
<option value="%">%</option>
<label for="newSeparator">Replace with Separator:</label><br>
<input type="text" id="newSeparator" name="newSeparator" required><br><br><br>
<input type="submit" value="Submit">
</body>
</html>
```

PHP File

Q2) a)

```
import numpy as np
import matplotlib.pyplot as plt
random_data = np.random.randint(1, 101, size=50)
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plt.figure(figsize=(12, 6))
plt.subplot(1, 2, 1)
plt.plot(random_data, color='blue', marker='o', linestyle='-', markersize=5)
plt.title('Line Chart', fontsize=14)
plt.xlabel('Index', fontsize=12)
plt.ylabel('Value', fontsize=12)
plt.grid(True)
plt.subplot(1, 2, 2)
plt.scatter(range(len(random_data)), random_data, color='green', alpha=0.7)
plt.title('Scatter Plot', fontsize=14)
plt.xlabel('Index', fontsize=12)
plt.ylabel('Value', fontsize=12)
plt.tight_layout()
plt.show()
b)
import matplotlib.pyplot as plt
subjects = ['Math', 'Science', 'English', 'History', 'Art']
marks = [85, 90, 78, 88, 92]
plt.figure(figsize=(8, 8))
plt.pie(marks, labels=subjects, autopct='%1.1f%%', startangle=140, colors=['gold', 'lightcoral',
'lightskyblue', 'lightgreen', 'lightpink'])
plt.title('Marks Distribution by Subject', fontsize=16)
plt.axis('equal')
plt.show()
c)
f = pd.read_csv('winequality-red.csv')
print("Describing the Dataset:")
print(df.describe())
print("\nShape of the Dataset:")
print(df.shape)
print("\nFirst 3 Rows of the Dataset:")
print(df.head(3))
```