Assignment -1

HTML

Assignment Date	19 September 2022
Student Name	Purushothaman.C
Student Roll Number	511319205020
Maximum Marks	2 marks

Question

Create a User Registration Page Form with following fields:

Name, Email, Mobile, City, State and Country ?

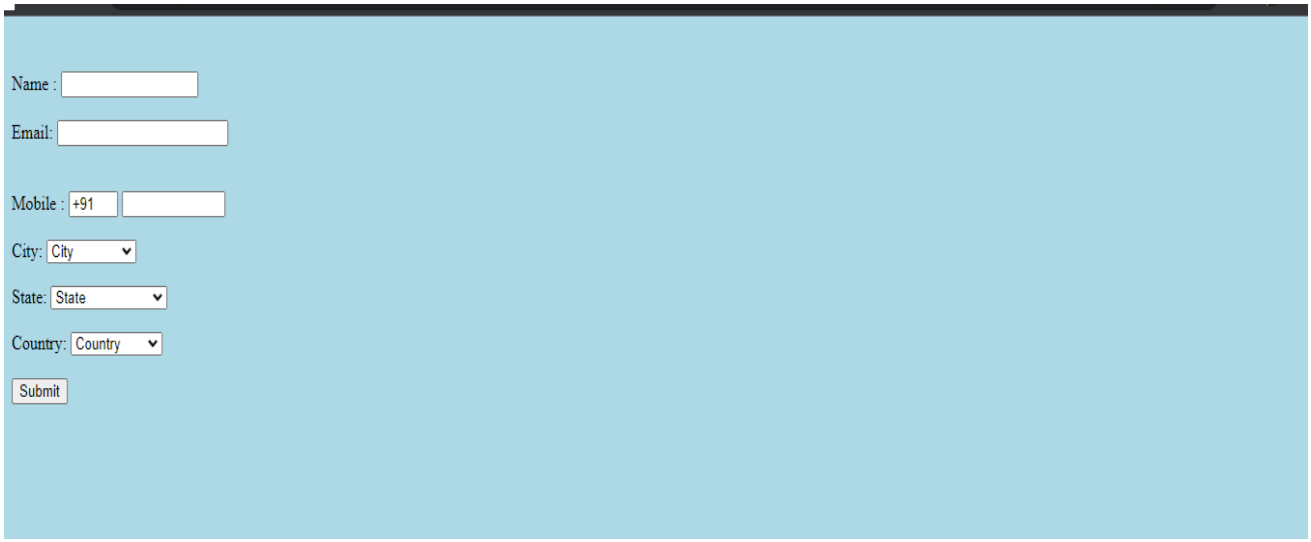
Solution:

```
<Html>
<head>
<title>
User Registration Page
</title>
</head>
<body bgcolor="LightBlue">
<br>
<br>
<form>

<label> Name : </label>
```

```
<input type="text" name="Name" size="15"/> <br> <br>
<label> Email: </label>
<input type="email" id="email" name="email"/> <br>
<br> <br>
<label>
Mobile :
</label>
<input type="text" name="country code"  value="+91" size="2"/>
<input type="text" name="phone" size="10"/> <br> <br>
<label> City: </label>
<select>
<option value="City">City</option>
<option value="Chennai">Chennai</option>
<option value="Vellore">Vellore</option>
<option value="Coimbatore">Coimbatore</option>
<option value="Madurai">Madurai</option>
<option value="Villupuram">Villupuram</option>
<option value="Thanjavur">Thanjavur</option>
</select><br> <br>
<label> State: </label>
<select>
<option value="State">State</option>
<option value="Andhra Pradesh">Andhra Pradesh</option>
<option value="Uttar Pradesh">Uttar Pradesh</option>
<option value="Delhi">Delhi</option>
```

```
<option value="Punjab">Punjab</option>
<option value="Haryana">Haryana</option>
<option value="Tamil Nadu">Tamil Nadu</option>
</select><br> <br>
<label> Country: </label>
<select>
<option value="Country:">Country</option>
<option value="Bangladesh">Bangladesh</option>
<option value="China">China</option>
<option value="Australia">Australia</option>
<option value="India">India</option>
<option value="Germany">Germany</option>
<option value="Brazil">Brazil</option>
</select><br> <br>
<input type="button" value="Submit"/>
</form>
</body>
</html>
```



Module 3: Python Assignment

Question 1:

List function:

My list

```
my_list = [1,2,3,4]
print (my_list)
```

2. Remove:

```
my_list = [1,2,3,4]
del my_list[1]
print(my_list)
```

[1, 3, 4]

3. Append:

```
my_list = [1,2,3,4]
my_list.append(5)
print(my_list)
```

[1, 2, 3, 4, 5]

4. Sort:

```
my_list = [4,2,1,3,6,5]
my_list.sort
print(my_list)
```

[4, 2, 1, 3, 6, 5]

5. Pop:

```
my_list = [4,2,1,3,6,5]
my_list.pop(4)
print(my_list)
```

[4, 2, 1, 3, 5]

6. Reverse:

```
my_list = [1,2,3,4,5,6]
my_list.reverse
print(my_list)
```

[1, 2, 3, 4, 5, 6]

Question 2:

Simple Calculator using python:

Code:

```
def add(P, Q):
   return P + Q
def subtract(P, Q):
   return P - Q
def multiply(P, Q):
   return P * Q
def divide(P, Q):
   return P / Q
print ("Please select the operation.")
print ("1. Add")
```

```
print ("2. Subtract")
print ("3. Multiply")
print ("4. Divide")

choice = input("Please enter choice (1/ 2/ 3/ 4): ")

num_1 = int (input ("Please enter the first number: "))
num_2 = int (input ("Please enter the second number: "))

if choice == '1':
   print (num_1, " + ", num_2, " = ", add(num_1, num_2))

elif choice == '2':
   print (num_1, " - ", num_2, " = ", subtract(num_1, num_2))

elif choice == '3':
   print (num1, " * ", num2, " = ", multiply(num1, num2))
elif choice == '4':
   print (num_1, " / ", num_2, " = ", divide(num_1, num_2))
else:
   print ("This is an invalid input")
```

output:

```
Please select the operation.
1. Add
2. Subtract
3. Multiply
4. Divide
Please enter choice (1/ 2/ 3/ 4): 1
Please enter the first number: 20
Please enter the second number: 10
20  +  10  =  30
```

Question 3:

Write a program to concatenate, reverse and slice a string

String Concatenate:

Code:

```
str1='Python '
str2='Assignment'
str3=str1+str2
print(str3)
```

output:

```
str1='Python '
str2='Assignment'
str3=str1+str2
print(str3)
```

Python Assignment

String Reverse:

Code:

```
def my_function(x):
  return x[::-1]
mytxt = my_function("Hello World")
print(mytxt )
```

Output:

```
def my_function(x):
  return x[::-1]

mytxt = my_function("Hello World")

print(mytxt )
```

The original string is: Hello World

The revered string is: dlroW olleH

String Slice:

String = 'education'

s1 = slice(4)

s2 = slice(1, 3, 5)

print(String[s1])

print(String[s2])

Output:

```
String = 'education'
s1 = slice(4)
s2 = slice(1, 3, 5)
print(String[s1])
print(String[s2])
```

Question 4:

Why is python a popular language?

- It uses a simplified syntax with an emphasis on natural language, for a much easier learning curve for beginners.
- It is free to use and is supported by an extremely large ecosystem of libraries and packages.
- It’s often the first-choice language for new developers.

Question 5:

What are the other framework that can be used in python?

- Django

- Flask
- Bottle
- Grok
- Web2Py
- Pyramid.

Question 6:

Full Form of WSGI?

WSDI – Web Server Gateway Interface