

Assignment -1

Assignment Date	27 September 2022
Student Name	Ms.Nishanthini.R
Student Roll Number	820319205025
Maximum Marks	2 Marks

Question-1:

Create form of type input text, email, password, radio button, text area, drop down and navigate to successor page and display files of form in table (CSS, HTML)

Solution:

```
<html>
<head>
<title>Form</title>
<script type="text/javascript">
function displayDetails()
{
var name = document.getElementById("name").value;
var email = document.getElementById("email").value;
var gender = document.getElementById("gender").value;
var year = document.getElementById("year").value;
var pl = document.getElementById("pl").value;
document.writeln("<html><body>");
document.writeln("<table border='1'><tr>");

document.writeln("<th>Name</th><th>Email</th><th>Gender</th><th>Program Language</th><th>Year</th>");
document.writeln("</tr>");

document.writeln("<tr><td>" + name + "</td><td>" + email + "</td><td>" + gender + "</td><td>" + pl + "</td><td>" + year + "</td>");
document.writeln("</tr></table>");
document.writeln("</body></html>");
}
</script>
</head>
<body>
<form method="post" onsubmit="displayDetails()">
<label for="name">Name:</label>
  <input type="text" id="name" name="name" placeholder="Enter name"/><br/><br/>
<label for="email">Email:</label>
  <input type="email" id="email" name="email" placeholder="Enter email"/><br/><br/>
<label for="pwd">Password:</label>
  <input type="password" id="pwd" name="pwd" placeholder="Enter
```

```

password"/><br/><br/>
<label for="address">Address:</label>
<textarea id="address" name="address" rows="4"
cols="50"></textarea><br/><br/>
<label for="gender">Gender: </label>
    <input type="radio" id="gender" name="gender" value="male">Male</input>

    <input type="radio" id="gender" name="gender"
value="female">Female</input><br/><br/>
<label for="pl">Programming languages: </label>
<input type="checkbox" id="pl" name="pl" value="java">Java</input>
    <input type="checkbox" id="pl" name="pl"
value="c">C</input>
    <input type="checkbox" id="pl" name="pl"
value="python">Python</input>
    <input type="checkbox" id="pl" name="pl"
value="c++">C++</input><br/><br/>
<label for="year">Year:</label>
<select name="year" id="year">
    <option value="first">I</option>
    <option value="first">II</option>
    <option value="first">III</option>
    <option value="first">IV</option>
</select><br/><br/>
<label for="submit">Submit:</label>
    <input type="submit" value="submit"/><br/><br/></form></body>
</html>

```

OUTPUT:

The screenshot displays the rendered HTML form. It includes text input fields for 'Name', 'Email', and 'Password', a larger text area for 'Address', and radio buttons for 'Gender' (Male and Female). Below these are checkboxes for 'Programming languages' (Java, C, Python, C++), a dropdown menu for 'Year' with options I, II, III, and IV, and a 'Submit' button.

Question-2:

For the CSS create external style sheet for above task (separate css file and link that in html)

Solution:

```

<html>
<head>
<title>Form</title>
<script type="text/javascript">
function displayDetails()
{
var name = document.getElementById("name").value;
var email = document.getElementById("email").value;
var gender = document.getElementById("gender").value;
var year = document.getElementById("year").value;
var pl = document.getElementById("pl").value;
document.writeln("<html><body>");
document.writeln("<table border='1'><tr>");
document.writeln("<th>Name</th><th>Email</th><th>Gender</th><th>Programming
L anguage</th><th>Year</th>");
document.writeln("</tr>");
document.writeln("<tr><td>" + name + "</td><td>" + email + "</td><td>" + gender + "</td><
t d>" + pl + "</td><td>" + year + "</td>");
document.writeln("</tr></table>");
document.writeln("</body></html>"); }
</script>
<link rel="stylesheet" href="style.css" type="text/css" /></head>
<body>
<form method="post" onsubmit="displayDetails()">
<label for="name">Name:</label>
<input type="text" id="name" name="name" placeholder="Enter name"/><br/><br/>
<label for="email">Email:</label>
<input type="email" id="email" name="email" placeholder="Enter
email"/><br/><br/>
<label for="pwd">Password:</label>
<input type="password" id="pwd" name="pwd" placeholder="Enter
password"/><br/><br/>
<label for="address">Address:</label>
<textarea id="address" name="address" rows="4" cols="50"></textarea><br/><br/>
<label for="gender">Gender: </label>
<input type="radio" id="gender" name="gender" value="male">Male</input>
<input type="radio" id="gender" name="gender"
value="female">Female</input><br/><br/>
<label for="pl">Programming languages: </label>
<input type="checkbox" id="pl" name="pl" value="java">Java</input> <input
type="checkbox" id="pl" name="pl" value="c">C</input> <input
type="checkbox" id="pl" name="pl" value="python">Python</input>
<input type="checkbox" id="pl" name="pl"
value="c++">C++</input><br/><br/>
<label for="year">Year:</label>
<select name="year" id="year">
<option value="first">I</option>
<option value="first">II</option>
<option value="first">III</option>
<option value="first">IV</option></select><br/><br/>

```

```
<label for="submit">Submit:</label>
<input type="submit" value="submit"/><br/><br/></form></body></html>
```

style.css

```
body {
background-color: pink;
border-style: solid;}
table, th, td {
border: 1px solid;
}
```

OUTPUT:

Question-3:

Create sample program for Flask HTTP methods (list or map and perform operations of PUT, GET, DELETE and POST)

Solution:

```
from flask import Flask,request,json
app=Flask(__name__)
cars={"1":"Lamborghini", "2":"Ferrari", "3":"Porsche", "4":"Landrover", "5":"Bugatti",
"6":"Mercedes", "7":"Rolls-Royce", "8":"BMW"}
@app.route('/data',methods=['GET','POST'])
def api():
    if request.method=='GET':
        return cars
    if request.method=='POST':
        data=request.json
        cars.update(data)
        return 'data got inserted'
    @app.route("/data/<id>",methods=['PUT'])
    def update(id):
        data=request.form['items']
        cars[str(id)]=data
        return 'data updated'
    @app.route("/data/<id>",methods=["DELETE"])
    def deleteoperation(id):
        cars.pop(str(id))
        return 'data deleted'
    if __name__=='__main__':
        app.run(debug=True)
```

Output:

```
from flask import Flask, request, jsonify
app = Flask(__name__)

@app.route('/api/submit', methods=['POST'])
def submit():
    data = request.get_json()
    if not data:
        return jsonify({'error': 'No data provided'}), 400
    # Process the data (e.g., save to database)
    # ...
    return jsonify({'status': 'success'}), 200

if __name__ == '__main__':
    app.run(debug=True)
```