ASSIGNMENT 1

Assignment Date	28th September 2022
Student name	Preethi.B
Student Roll Number	211519106112
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
<!DOCTYPE html>
  <html lang="en-us">
  <head>
    <meta charset="UTF-8">
    <title>Registaration Form</title>
    <link rel="stylesheet" href="style1.css">
    <script type="text/javascript" lang="javascript" src="./responsiveRegistaration.js"></script>
  </head>
    <body>
    <form>
    <h1>Student Registration Form</h1>
    <fieldset>
    <legend>PERSONAL DETAILS</legend>
    <div>
    <div class="container">
      <div class="row">
        <div class="col-10">
          <label for="fname">First Name:</label>
        </div>
        <div class="col-90">
          <input type="text" id="fname" name="firstname" placeholder="Enter your first name">
        </div>
      </div>
      <div class="row">
        <div class="col-10">
          <label for="lname">Last Name:</label>
        </div>
        <div class="col-90">
          <input type="text" id="lname" name="lastname" placeholder="Enter your last name">
        </div>
      </div>
      <div class="row">
        <div class="col-10">
          <label for="email">Email:</label>
        </div>
        <div class="col-90">
          <input type="email" id="email" name="email" placeholder="it should contain @,.">
        </div>
      </div>
      <div class="row">
```
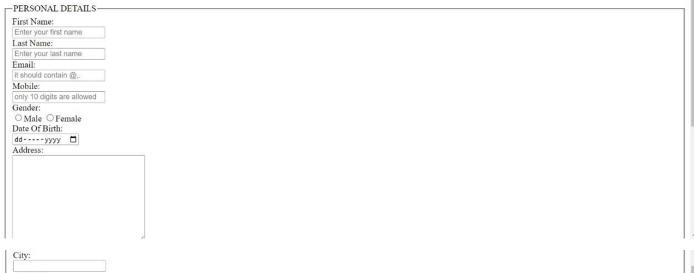
```html
    <div class="col-10">
      <label for="mobile">Mobile:</label>
    </div>
    <div class="col-90">
      <input type="tel" id="mobile" name="mobile" placeholder="only 10 digits are allowed">
    </div>
</div>
<div class="row">
    <div class="col-10">
      <label for="gender" required>Gender:</label>
    </div>
    <div class="col-90">
      <input type="radio" id="male" name="gender" value="male"/>Male
      <input type="radio" id="female" name="gender" value="female"/>Female
    </div>
</div>
<div class="row">
    <div class="col-10">
      <label for="dob">Date Of Birth:</label>
    </div>
    <div class="col-90">
      <input type="Date" id="dob" name="dob">
    </div>
</div>
<div class="row">
    <div class="col-10">
      <label for="address">Address:</label>
    </div>
    <div class="col-90">
      <textarea name="address" id="address" cols="30" rows="10"></textarea>
    </div>
</div>
<div class="row">
    <div class="col-10">
      <label for="city">City:</label>
    </div>
    <div class="col-90">
      <input type="text" id="city" name="city" maxlength="10">
    </div>
</div>
<div class="row">
    <div class="col-10">
      <label for="pincode">Area PIN:</label>
    </div>
    <div class="col-90">
      <input type="number" id="pin" name="pin" maxlength="6">
    </div>
</div>
<div class="row">
    <div class="col-10">
      <label for="state">State:</label>
    </div>
    <div class="col-90">
      <input type="text" id="state" name="state">
    </div>
</div>
<div class="row">
```

```html
          <div class="col-10">
            <label for="qualification" required >Qualification:</label>
          </div>
          <div class="col-90">
            <select name="qualification" id="qualification">
              <option value=" ">Select Qualification:</option>
              <option value="Graduation">Graduation</option>
              <option value="BTech.">BTech.</option>
              <option value="MTech.">MTech.</option>
              <option value="MCA">MCA</option>
              <option value="BCA">BCA</option>
            </select>
          </div>
        </div>
        <div class="row">
          <div class="col-10">
            <label for="specialization">Specialization:</label>
          </div>
          <div class="col-90">
            <input type="checkbox" class="specialization" id="cs" name="specialization[]" value="Computer
Science">Computer Science<br/>
            <input type="checkbox" class="specialization" id="it" name="specialization[]" value="Information
Technology">Information Technology<br/>
            <input type="checkbox" class="specialization" id="ca" name="specialization[]" value="Computer
Architecture">Computer Architecture<br/>
            <input type="checkbox" class="specialization" id="tc" name="specialization[]" value="Tele
Communication">Tele Communication<br/>
          </div>
        </div>
        <div class="row">
          <div class="col-10">
            <label for="password">Password:</label>
          </div>
          <div class="col-90">
            <input type="password" id="password" name="password" maxlength="8">
          </div>
        </div>
        <div class="row">
          <input type="submit" value="Register" onclick="SaveStudentDetails()">
        </div>
    </div>
    </fieldset>
</form>
</body>
</html>
```

OUTPUT:

Student Registration Form

PERSONAL DETAILS
First Name:
[Enter your first name]
Last Name:
[Enter your last name]
Email:
[it should contain @,.]
Mobile:
[only 10 digits are allowed]
Gender:
○ Male ○ Female
Date Of Birth:
[dd - - - - - yyyy 📅]
Address:

City:
[   ]
Area PIN:
[   ]
State:
[   ]
Qualification:
[Select Qualification: ▼]
Specialization:
☐ Computer Science
☐ Information Technology
☐ Computer Architecture
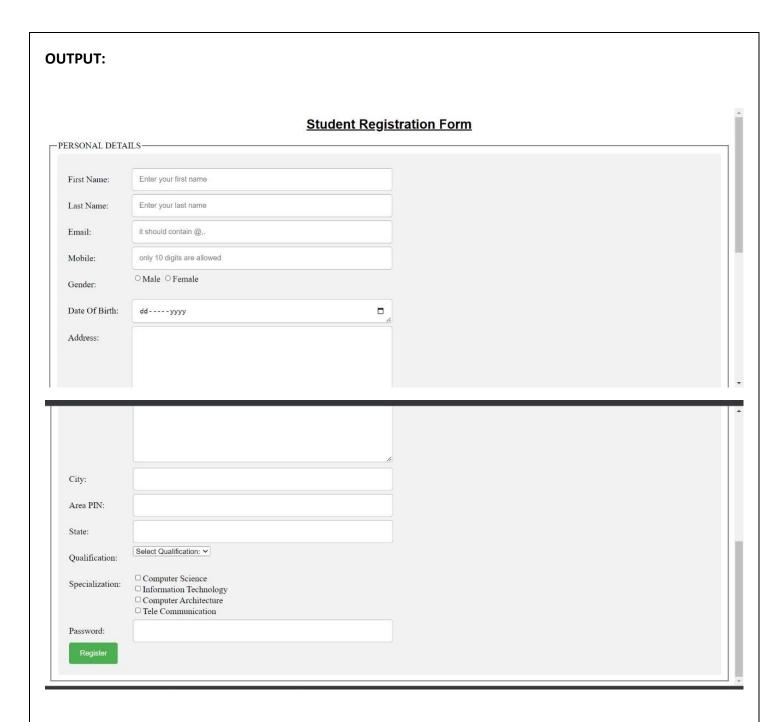☐ Tele Communication
Password:
[   ]
[Register]

Question-2:

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

Solution:

```
 *{box-sizing: border-box;
}
input[type=text], input[type=email], input[type=number], input[type=select],
input[type=date],input[type=select],input[type=password], input[type=tel]
{
   width: 45%;
   padding: 12px;
   border: 1px solid rgb(168, 166, 166);
   border-radius: 4px;
   resize: vertical;
}
textarea{
   width:45%;
   padding: 12px;
   border: 1px solid rgb(168, 166, 166);
   border-radius: 4px;
   resize: vertical;
}
input[type=radio],input[type=checkbox]{
   width: 1%;
   padding-left: 0%;
```

```css
    border: 1px solid rgb(168, 166, 166);
    border-radius: 4px;
    resize: vertical;
}
h1{
    font-family: Arial;
    font-size: x-large;
    font-style: normal;
    font-weight: bold;
    color: black;
    text-align: center;
    text-decoration: underline;
}
label{
    padding: 12px 12px 12px 0;
    display: inline-block;
}
input[type=submit] {
    background-color: #4CAF50;
    color: white;
    padding: 12px 20px;
    border: none;
    border-radius: 4px;
    cursor: pointer;
    float:left;
}
input[type=submit]:hover {
background-color: #32a336;
}
.container{
    border-radius: 5px;
    background-color:#f2f2f2;
    padding: 20px;
}
.col-10{
    float: left;
    width:10%;
    margin-top: 6px;
}
.col-90{
    float: left;
    width: 90%;
    margin-top: 6px;
}
.row:after{
    content: "";
    display: table;
    clear: both;
}
@media screen and (max-width: 600px) {
    .col-10,.col-90,input[type=submit]{
        width: 100%;
        margin-top: 0;
    }
}
```

OUTPUT:

Student Registration Form

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,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" ,methods=['PUT']) def update(id): data=request.form['items'] cars[str(id)]=data return 'data updated' @app.route("/data" ,methods=["DELETE"]) def deleteoperation(id): cars.pop(str(id)) return 'data deleted' if __name__ == '__main__': app.run(debug=True)