Assignment -1

Assignment Date	19 September 2022
Student Name	S.AHATHIAN
Student Roll Number	82031925004
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>Progra
m mingLanguage</th><th>Year</th>");
 document.writeln("</tr>");

document.writeln("<tr><td>"+name+"</td><td>"+email+"</td><td>"+gender
+"</t d><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:

Name: Enter name

Email: Enter email

Password: Enter password

Address:

Gender: Male Female

Programming languages: Java C Python C++

Year: I

Submit: submit

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>Program
mingL anguage</th><th>Year</th>");
 document.writeln("</tr>");
document.writeln("<tr><td>"+name+"</td><td>"+email+"</td><td>"+gender+"</t
d><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=='GE
    T': return cars
  if
    request.method=='PO
    ST': data=request.json
    cars.update(data)
    return 'data got inserted'
@app.route("/data/<id>",methods=['PU
T']) 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)