

Assignment Date	27 <sup>th</sup> September 2022
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Student Roll Number	820319205006
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:

The screenshot displays the rendered HTML form. It includes a 'Name' field with placeholder text 'Enter name', an 'Email' field with 'Enter email', and a 'Password' field with 'Enter password'. The 'Address' field is a larger text area. The 'Gender' section has two radio buttons labeled 'Male' and 'Female'. The 'Programming languages' section has four checkboxes for 'Java', 'C', 'Python', and 'C++'. The 'Year' field is a dropdown menu currently showing 'I'. At the bottom is 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
flask = Flask(__name__)
flask.config.from_object(Config)

@app.route('/api/v1/auth/login', methods=['POST'])
def login():
    data = request.get_json()
    username = data.get('username')
    password = data.get('password')

    user = User.query.filter_by(username=username).first()
    if user and user.password == password:
        token = jwt.encode({'username': username, 'exp': datetime.utcnow() + timedelta(hours=24)}, SECRET_KEY)
        return jsonify({'token': token})
    return jsonify({'error': 'Invalid credentials'}), 401

@app.route('/api/v1/auth/logout', methods=['POST'])
def logout():
    return jsonify({'message': 'Logout successful'})

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