

ASSIGNMENT 1

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DOMAIN : CLOUD APPLICATION DEVELOPMENT

QUESTION 1: CREATE FORM OF TYPE INPUT TEXT, EMAIL, PASSWORD, RADIO BUTTON, TEXT AREA AND DROP DOWN. NAVIGATE TO SUCCESS PAGE AND DISPLAY FIELDS OF FORM IN TABLE

SOLUTION

MAINPAGE.HTML

```
<HTML>
```

```
<head>
```

```
</head>
```

```
<BODY STYLE="COLOR:BLUE" >
```

```
<CENTER STYLE="COLOR:RED">
```

```
<H1>WELCOME TO REGISTRATION PAGE</H1>
```

```
<H3>REGISTER WITH IBM NALAIYA THIRAN BY GIVING THE  
FOLLOWING DETAILS</H3>
```

```
</CENTER>
```

```
<FORM>
```

```
ENTER YOUR FULL NAME <INPUT STYLE="COLOR:BLUE"  
TYPE="TEXT" ID="NAME" REQUIRED />
```

```
<BR><BR>
```

```
ENTER YOUR EMAIL ID <INPUT STYLE="COLOR:BLUE" TYPE="EMAIL"  
ID="EMAIL" REQUIRED />
```

```
<BR><BR>
```

```
ENTER YOUR PASSWORD <INPUT STYLE="COLOR:BLUE"  
TYPE="PASSWORD" ID="PWD" REQUIRED />
```

```
<BR><BR>
```

```
SELECT GENDER
```

```
<INPUT TYPE="RADIO" NAME="GENDER" />MALE
<INPUT TYPE="RADIO" NAME="GENDER" />FEMALE
<BR><BR>
ENTER YOUR PRESENT ADDRESS <INPUT STYLE="COLOR:BLUE"
TYPE="TEXTAREA" ID="ADDRESS" REQUIRED />
<BR><BR>
SELECT YOUR COUNTRY <select name="COUNTRY" id="COUNTRY"
STYLE="COLOR:BLUE" REQUIRED >
  <option value="volvo">INDIA</option>
  <option value="saab">JAPAN</option>
  <option value="mercedes">US</option>
  <option value="audi">AUSTRALIA</option>
</select>
<BR><BR><hr>
<CENTER>SUBMIT YOUR FORM HERE
<INPUT STYLE="BACKGROUND-COLOR:YELLOW" TYPE="submit"
VALUE="SUBMIT" onclick="Success()" />
</CENTER>
</FORM>
</BODY>
</HTML>
```

SUCCESSPAGE.HTML

```
<HTML>
<head>
<script>
```

```
function Success()
{
var tbl=document.getElementById("formdata");
var row=tbl.insertRow();
var cell1=row.insertCell();
var cell2=row.insertCell();
var cell3=row.insertCell();

cell1.innerHTML=document.getElementById("NAME").value;
cell2.innerHTML=document.getElementById("EMAIL").value;
cell3.innerHTML=document.getElementById("PWD").value;
}
```

```
</script>
```

```
</head>
```

```
<BODY>
```

```
<TABLE BORDER="1" id="formdata">
```

```
<tr>
```

```
<th>NAME</th>
```

```
<th>EMAIL ID</th>
```

```
<th>PASSWORD</th>
```

```
</tr>
```

```
</TABLE>
```

</BODY>

</HTML>

QUESTION 2 CREATE EXTERNAL STYLESHEET FOR THE ABOVE PROGRAM

SOLUTION

The line which needs to be added in above HTML file is

```
<link rel="stylesheet" href="mystyle.css">
```

Mystyle.css

#styling for the whole document

```
body {  
    background-color: lightblue;  
}
```

#styling for h1 tag

```
h1 {  
    color: navy;  
    margin-left: 20px;  
}
```

#styling for h3 tag

```
h3  
{  
    color: coral;  
    font-family: sans-serif;
```

```
font-style:italic
}
```

```
#styling for hr tag
hr
{
color:green;
}
```

QUESTION 3: CREATE SAMPLE PROGRAM FOR FLASKHTTP METHODS

HTTPMETHODS.PY

```
#import statement
from flask import Flask,request,json

#assign flask to name variable
app=Flask(__name__)

#defining a set of dict values to be used when user interacts
dress_items={"1":"saree", "2":"kurti", "3":"lehanga" ,"4":"Salwar" ,"5":"T-Shirt"
,"6":"Safari" }

#GET and POST methods demo
@app.route('/data',methods=['GET','POST'])
def api():
    if request.method=='GET':
        return food_items
    if request.method=='POST':
        data=request.json
        food_items.update(data)
```

```
    return 'data got inserted'
```

```
#PUT method demo
```

```
@app.route("/data/<id>",methods=['PUT'])
```

```
def update(id):
```

```
    data=request.form['item']
```

```
    food_items[str(id)]=data
```

```
    return 'data updated'
```

```
#DELETE method demo
```

```
@app.route("/data/<id>",methods=["DELETE"])
```

```
def deleteoperation(id):
```

```
    food_items.pop(str(id))
```

```
    return 'data deleted'
```

```
#default line similar to main method
```

```
if __name__=='__main__':
```

```
    app.run(debug=True)
```