

## 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 dress\_items

if request.method=='POST':

data=request.json

dress\_items.update(data)

return 'data got inserted'

#PUT method demo

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

def update(id):

```
data=request.form['item']  
dress_items[str(id)]=data  
return 'data updated'
```

#DELETE method demo

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

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

```
    dress_items.pop(str(id))
```

```
    return 'data deleted'
```

#default line similar to main method

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

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