

## Assignment -2

Assignment Date	28 September 2022
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Maximum Marks	2 Marks

### Question-1:

1. Create User table with user with email, username, roll number, password.
2. Perform UPDATE,DELETE Queries with user table
3. Connect python code to db2.
4. Create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password. If the user is valid show the welcome page

### Solution:

```
from turtle import st

from flask import Flask, render_template, request, redirect, url_for, session

import ibm_db

from markupsafe import escape

from flask import flask

conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=<HOSTNAME>;PORT=<PORT NUMBER>;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=<USERNAME>;PWD=<PASSWORD>", "", "")

print(conn)

print("connection successful...")

app = Flask(__name__)

app.secret_key="123"
```

```
@app.route('/')
def index():
    return render_template('index.html')
```

```
@app.route('/profile')
def profile():
    return render_template('profile.html')
```

```
@app.route('/about')
def about():
    return render_template('about.html')
```

```
@app.route('/customerlogin',methods=["GET","POST"])
def customerlogin():
    if request.method=='POST':
        cemail=request.form['cemail']
        cpassword=request.form['cpassword']

        sql =f"select * from users where cemail='{escape(cemail)}' and cpassword='{escape(cpassword)}'"
        stmt = ibm_db.exec_immediate(conn, sql)
        data = ibm_db.fetch_both(stmt)

        if data:
            session["cemail"]=escape(cemail)
            session["cpassword"]=escape(cpassword)
            return redirect("profile")
        else:
            flash("Username and Password Mismatch","danger")
            return redirect(url_for("index"))
```

```
return render_template('customerlogin.html')
```

```
@app.route('/customerregister',methods = ['POST', 'GET'])
```

```
def customerregister():
```

```
    if request.method == 'POST':
```

```
        try:
```

```
            cname = request.form['cname']
```

```
            cemail = request.form['cemail']
```

```
            cpassword = request.form['cpassword']
```

```
            cconfirmpassword = request.form['cconfirmpassword']
```

```
            insert_sql = "INSERT INTO users(cname,ceail,cpassword,cconfirmpassword)VALUES(?,?,?,?)"
```

```
            prep_stmt = ibm_db.prepare(conn,insert_sql)
```

```
            ibm_db.bind_param(prepare_stmt,1,cname)
```

```
            ibm_db.bind_param(prepare_stmt,2,ceail)
```

```
            ibm_db.bind_param(prepare_stmt,3,cpassword)
```

```
            ibm_db.bind_param(prepare_stmt,4,cconfirmpassword)
```

```
            ibm_db.execute(prepare_stmt)
```

```
            flash("Register successfully","success")
```

```
        except:
```

```
            flash("Error","danger")
```

```
    finally:
```

```
        return redirect(url_for("index"))
```

```
        con.close()
```

```
return render_template('customerregister.html')
```

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

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

