







Assignment- 2


* Untitled - 1 ×


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 Syntax assistant





Run selected 



```
1 create table user(email varchar(100) not null, username varchar(100) not null, rollno varchar(20) not null, password varc
2
3 insert into user values ('maahin@gmail.com', 'maahin', '001', '12345' );
4
5 update user set rollno='002';
6
7 delete from user where rollno='002';
```

Python with IBM db2 connection

```
import ibm_db
import os

load_dotenv()

host = os.environ["DBHOST"]
uid = os.environ["DBUID"]
pwd = os.environ["DBPWD"]
ssl = os.environ["DBSSLCERT"]
db = os.environ["DB"]
port = os.environ["DBPORT"]

conn =
ibm_db.connect(f"DATABASE={db};HOSTNAME={host};PORT={port};SECURITY=SSL;SSLServerCertificate={ssl};UID={uid};PWD={pwd}"; "", "", "" )

statement = "CREATE TABLE complaint( comname VARCHAR(100) NOT NULL, comphoneno VARCHAR(20) NOT NULL, femail VARCHAR(100) NOT NULL, subject VARCHAR(200) NOT NULL, body VARCHAR(500) NOT NULL, FOREIGN KEY(femail) REFERENCES customer(email)); "

crt = ibm_db.exec_immediate(conn, statement)
```

Login authentication using python- flask and ibm db2:

app.py

```
from flask import Flask, render_template, request, redirect, url_for, session
from uuid import uuid4
from dotenv import load_dotenv
import ibm_db
import os
import re

load_dotenv()

host = os.environ["DBHOST"]
uid = os.environ["DBUID"]
pwd = os.environ["DBPWD"]
ssl = os.environ["DBSSLCERT"]
db = os.environ["DB"]
port = os.environ["DBPORT"]
```

```
app = Flask(__name__)
```

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

```
@app.route('/register', methods =['GET', 'POST'])  
def register():  
    mesage = ''  
    if request.method == 'POST' and 'fname' in request.form and 'pwd' in request.form and 'email' in request.form  
and 'cpwd' in request.form and 'address' in request.form and 'phoneno' in request.form and 'dob' in request.form:  
        uid = uuid4().hex  
        fullname = request.form['fname']  
        password = request.form['pwd']  
        email = request.form['email']  
        dob = request.form['dob']  
        address = request.form['address']  
        phoneno = request.form['phoneno']  
        cpassword = request.form['cpwd']
```

```

        conn =
ibm_db.connect(f"DATABASE={db};HOSTNAME={host};PORT={port};SECURITY=SSL;SSLServerCertificate={ssl};UID={uid};PWD=
{pwd};" , "", "" )
        stmt1 = "SELECT * FROM customer WHERE EMAIL='{0}'".format(email)
        temp = ibm_db.exec_immediate(conn, stmt1)
        fetched = ibm_db.fetch_tuple(temp)
        ibm_db.close(conn)

    if fetched:
        message = 'Account already exists !'
    elif not re.match(r'^[a-zA-Z0-9]+@[a-zA-Z0-9]+\.[a-zA-Z0-9]+$', email):
        message = 'Invalid email address !'
    elif(password != cpassword):
        message = "Password not matched"
    else:
        conn =
ibm_db.connect(f"DATABASE={db};HOSTNAME={host};PORT={port};SECURITY=SSL;SSLServerCertificate={ssl};UID={uid};PWD=
{pwd};" , "", "" )
        stmt2 = "INSERT INTO customer VALUES ('{0}', '{1}', '{2}', '{3}', '{4}', '{5}',
'{6})'.format(fullname, email, dob, address, phoneno, password, uid)
        ibm_db.exec_immediate(conn, stmt2)
        ibm_db.close(conn)

    elif request.method == 'POST':
        message = 'Please fill out the form !'
    return render_template('user-register.html', message = message)

```

```

@app.route('/login', methods =['GET', 'POST'])
def login():
    mesage = ''
    if request.method == 'POST' and 'email' in request.form and 'password' in request.form:
        email = request.form['email']
        password = request.form['password']
        try:
            stmt1 = "SELECT * FROM CUSTOMER WHERE EMAIL='{0}' && PASSWORD='{1}'".format(email, password)
            temp = ibm_db.exec_immediate(conn, stmt1)
            user = ibm_db.fetch_tuple(temp)
        except:
            mesage = "query not worked"

        if user:
            session['loggedin'] = True
            session['fullname'] = user['FULLNAME']
            session['dob'] = user['DOB']
            session['address'] = user['ADDRESS']
            session['phoneno'] = user['PHONENO']
            session['email'] = user['MAIL']
            mesage = 'Logged in successfully !'
            return render_template('user-login.html', mesage = mesage)
        else:
            mesage = 'Please enter correct email / password !'

    return render_template('user-login.html', mesage = mesage)

if __name__ == "__main__":
    app.run(debug=True)

```

Register.html

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
    content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-scale=1.0">
  <link rel="shortcut icon" href="{{ url_for('static',filename='media/CCR.svg') }}" type="image/x-icon">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="{{ url_for('static', filename='css/user-register.css') }}" type="text/css">
  <!-- CSS only -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css" rel="stylesheet"
    integrity="sha384-iYQeCzEYFbkjA/T2uDLTPkWzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT" crossorigin="anonymous">
```



```

<!-- JavaScript Bundle with Popper -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
u10knCvxxWVY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi466C8" crossorigin="anonymous"></script>
<title>Registration</title>

<style>
.pad{
margin-left: 40%;
padding-left: 10%;
};
.padd{
padding-left: 60%;
}
</style>
</head>
<body>
<section class="h-90 h-custom gradient-custom-2 mx-5" style="background-color: white;">
<div class="container-fluid py-5 h-90">
<h2 class="fw-bold text-primary text-center my-1 pb-4">Customer Care Registry</h2>
<div class="card card-stepper" style="border-radius: 10px; background-color: rgb(255, 255, 255);">
<div class="card-body p-5">
<h4 class="fw-bold text-secondary text-center mx-3 pt-1">Registration</h4>
<div class="row d-flex justify-content align-items-center h-90">
<div class="d-flex col-md-8 col-lg-6 col-xl-4 offset-xl-0 flex-column bd-highlight w-50">

<!-- Message -->
{% if mesage is defined and mesage %}
<div class="alert alert-warning">{{ mesage }}</div>
{% endif %}

```

```
<form class="form pt-1 px-5 w-100" action="{{ url_for('register')}}" method="post">

    <!-- Username input -->
    <div class="form-outline mt-2 col-11">
        <label class="form-label" for="form3Example1">Full Name</label>
        <input type="username" id="fname" class="form-control form-control-lg"
name="fname"placeholder="Enter Username" required />
    </div>

    <!-- Date Of Birth input -->
    <div class="form-outline mt-2 col-11">
        <label class="form-label" for="form3Example3">Date of Birth</label>
        <input type="text" id="dob" class="date form-control form-control-lg" onfocus="(this.type
= 'date')" name="dob" placeholder="Enter DOB" required />
    </div>

    <!-- Email input -->
    <div class="form-outline mt-2 col-11">
        <label class="form-label" for="form3Example3">E-mail address</label>
        <input type="email" id="email" class="form-control form-control-lg" name="email"
placeholder="Enter a E-mail address" required />
    </div>

    <!-- Phone input -->
    <div class="form-outline mt-2 col-11">
        <label class="form-label" for="form3Example3">Phone Number</label>
        <input type="tel" id="phoneno" class="form-control form-control-lg" name="phoneno"
placeholder="Enter a Phone Number" required />
    </div>
```

```

        <!-- Address input -->
        <div class="form-outline mt-2 col-11">
            <label class="form-label" for="form3Example3">Address</label>
            <input type="text" id="address" class="form-control form-control-lg" name="address"
placeholder="Enter your address" required />
        </div>

        <!-- Password input -->
        <div class="form-outline mt-2 col-11">
            <label class="form-label" for="form3Example4">Password</label>
            <input type="password" id="pwd" class="form-control form-control-lg" name="pwd"
placeholder="Enter password" required />
        </div>

        <!-- Password input -->
        <div class="form-outline mt-2 col-11">
            <label class="form-label" for="form3Example4">Confirm Password</label>
            <input type="password" id="cpwd" class="form-control form-control-lg" name="cpwd"
placeholder="Enter Confirm password" required />
        </div>

        <!-- <span id="message"></span> -->

        <div class="d-flex justify-content-between align-items-center">
            <!-- Checkbox -->
            <div class="form-check mt-4">
                <input class="form-check-input me-2" type="checkbox" value="" id="form2Example3"
required />
                <label class="form-check-label" for="form2Example3">I agree terms &
conditions</label>
            </div>
        </div>

        <div class="text-center text-lg-start mt-4 pt-2">
            <button type="submit" class="check btn btn-primary btn-lg" id="check"
style="padding-left: 2.5rem; padding-right: 2.5rem;">Sign Up</button>
        </div>
    </form>
</div>
<div class="pad flex col-md-9 col-lg-8 col-xl-5 px-5 position-absolute" style="width:700px; height:-
100px;" id="flex">
    

```

```
        </div>
    </div>
    <br/>
    <div class="mx-5">
        <label>Already have an account?</label><a class="mx-2" href="{{ url_for('login')}}">Login</a>
    </div>

    </div>
</div>
</section>
<script src="{{ url_for('static', filename='js/total.js') }}" type="text/javascript"></script>
</body>
</html>
```

Login.html

```
<!doctype html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport"
    content="width=device-width, user-scalable=no, initial-scale=1.0, maximum-scale=1.0, minimum-
scale=1.0">
  <link rel="shortcut icon" href="{{ url_for('static',filename='media/CCR.svg') }}" type="image/x-icon">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="{{ url_for('static',filename='css/user-login.css') }}" type="text/css" />
  <script src="{{url_for('static', filename='js/total.js')}}" type="text/javascript"></script>
  <!-- CSS only -->
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-iYQeCzEYFbkjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT" crossorigin="anonymous">
  <!-- JavaScript Bundle with Popper -->
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min.js" integrity="sha384-
u10knCvXwVY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTP00mMi466C8" crossorigin="anonymous"></script>
  <title>Login</title>
  <style>
    /* .pad{
      margin-left: 40%;
    }; */
    .dat{
      margin-left: 44%;
      /* padding-left: 40%; */
    }
  </style>
</head>
<body>
<section class="h-90 h-custom gradient-custom-2 mx-5" style="background-color: white;">
  <div class="container-fluid py-5 h-90">
    <h2 class="fw-bold text-primary text-center my-1 pb-4">Customer Care Registry</h2>
    <div class="card card-stepper" style="border-radius: 10px; background-color: rgb(255, 255, 255);">
      <div class="card-body p-5">
```

THANK YOU!

