

Team ID	PNT2022TMID39959
Project Name	Smart Fashion Recommender

Python code to connect ibm_db

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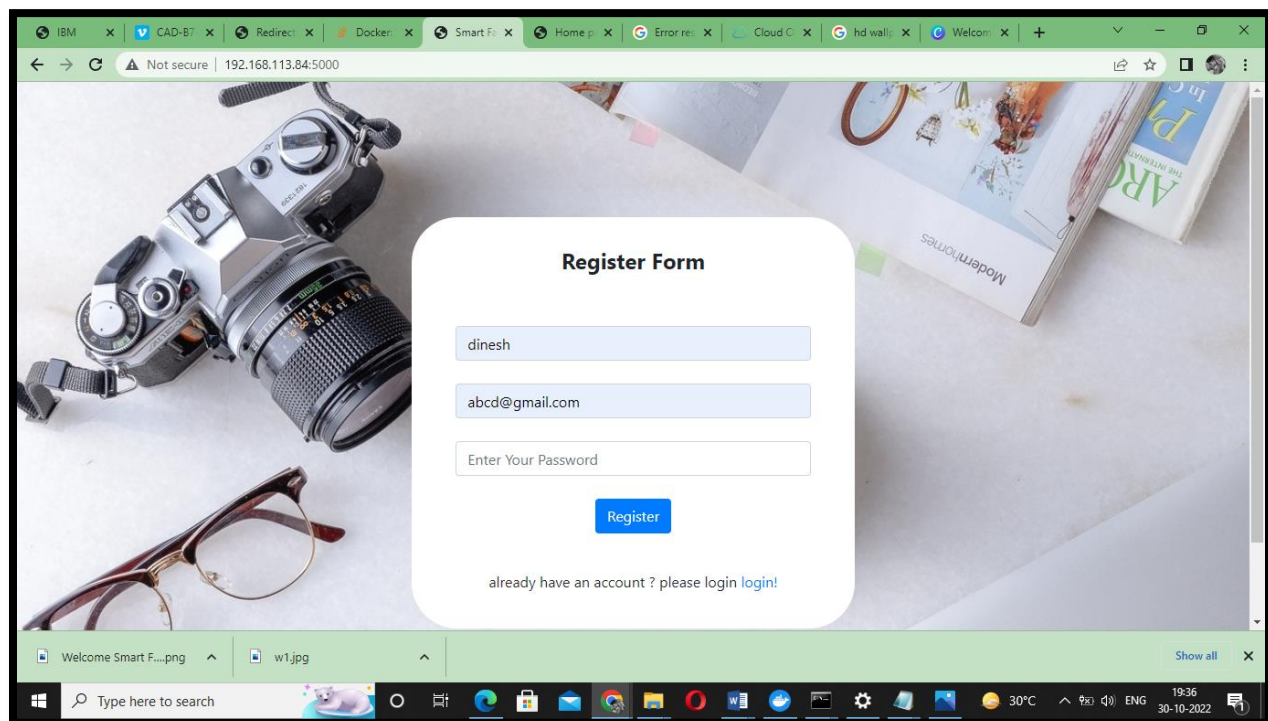
C:\Assignment 2\app.py - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
index.html style.css app.py
1 from flask import Flask, render_template, request, redirect, url_for, session
2 import ibm_db
3 import re
4
5 app = Flask(__name__)
6
7 app.secret_key = 'a'
8
9 conn = ibm_db.connect(
10     "DATABASE=bludb;HOSTNAME=b70af05b-76e4-4bca-a1f5-23dbb4c6a74e.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32716;SECURITY=SSL;SSL"
11
12 @app.route("/", methods=['GET', 'POST'])
13 def register():
14     msg = ''
15     if request.method == 'POST':
16         username = request.form['username']
17         email = request.form['email']
18         password = request.form['password']
19         sql = "SELECT * FROM user WHERE username =?"
20         stmt = ibm_db.prepare(conn, sql)
21         ibm_db.bind_param(stmt, 1, username)
22         ibm_db.execute(stmt)
23         account = ibm_db.fetch_assoc(stmt)
24         print(account)
25         if account:
26             msg = 'Account already exists !'
27         elif not re.match(r'[^@]+\@[^@]+\.[^@]+', email):
28             msg = 'Invalid email address !'
29         elif not re.match(r'[A-Za-z0-9]+', username):
30             msg = 'name must contain only characters and numbers !'
31         else:
32             insert_sql = "INSERT INTO user VALUES (?, ?, ?)"
33             prep_stmt = ibm_db.prepare(conn, insert_sql)
34             ibm_db.bind_param(prepare_stmt, 1, username)

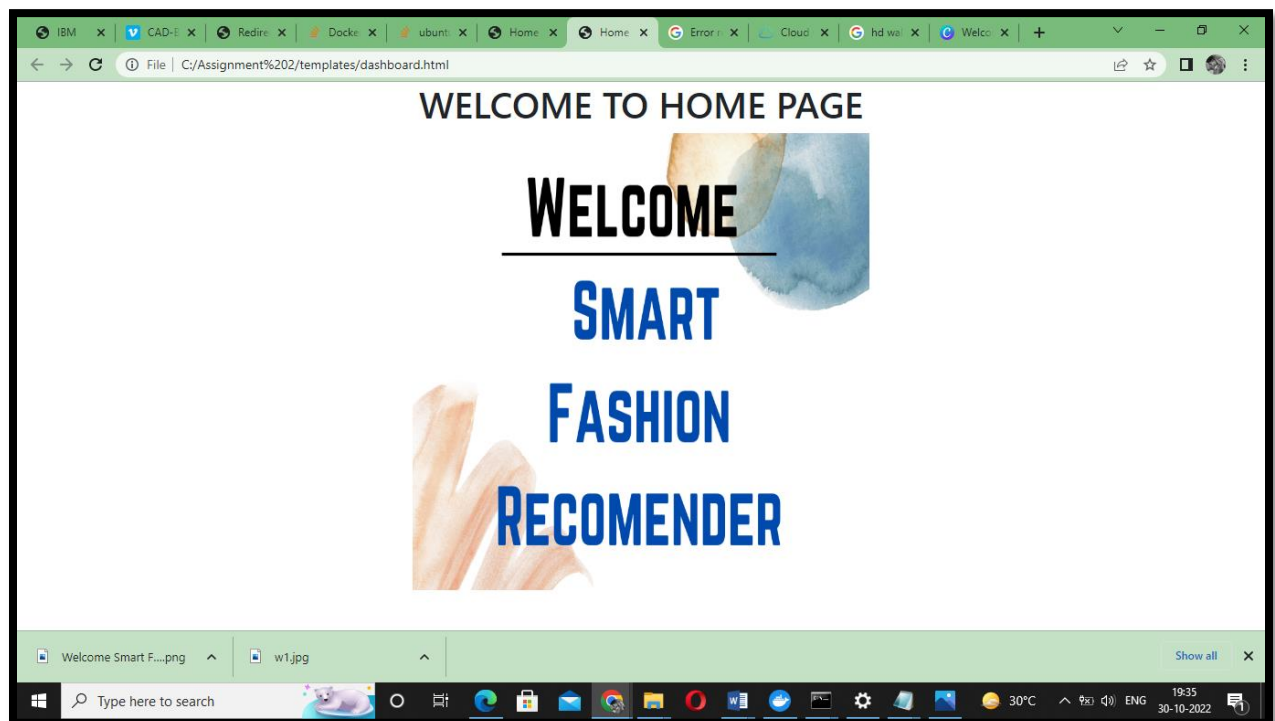
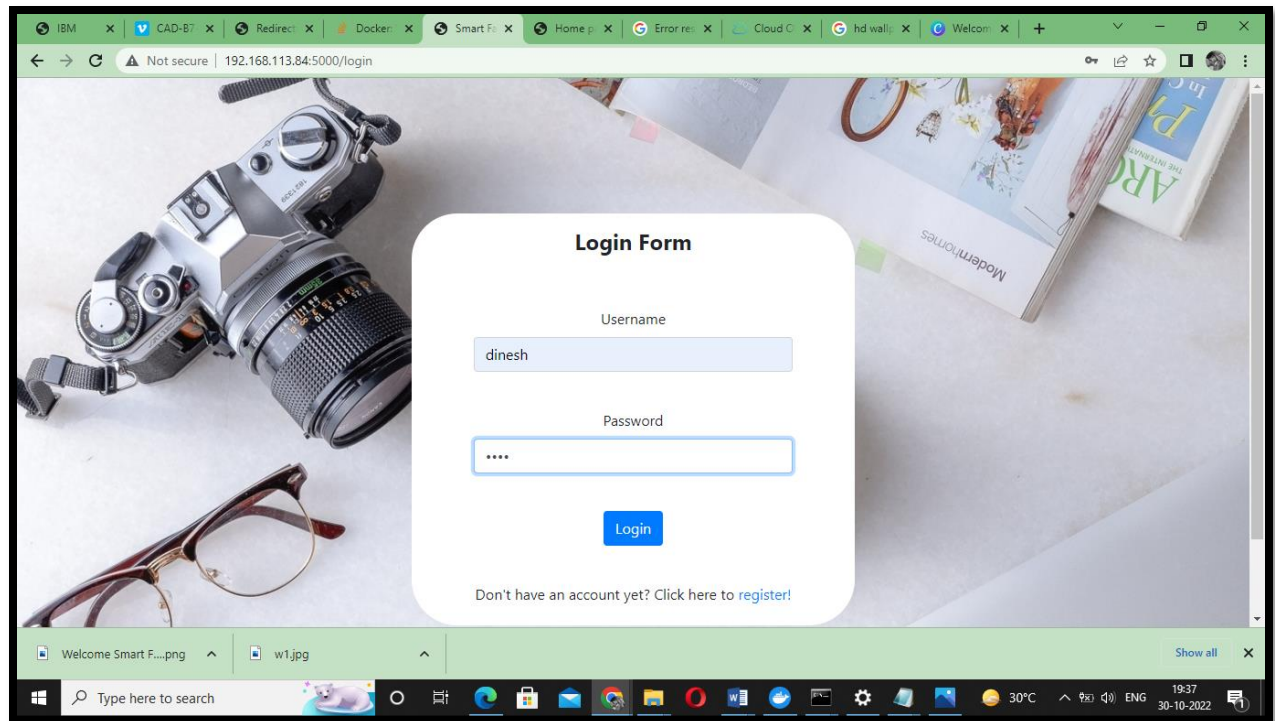
```

220 characters selected Spaces: 4 Python

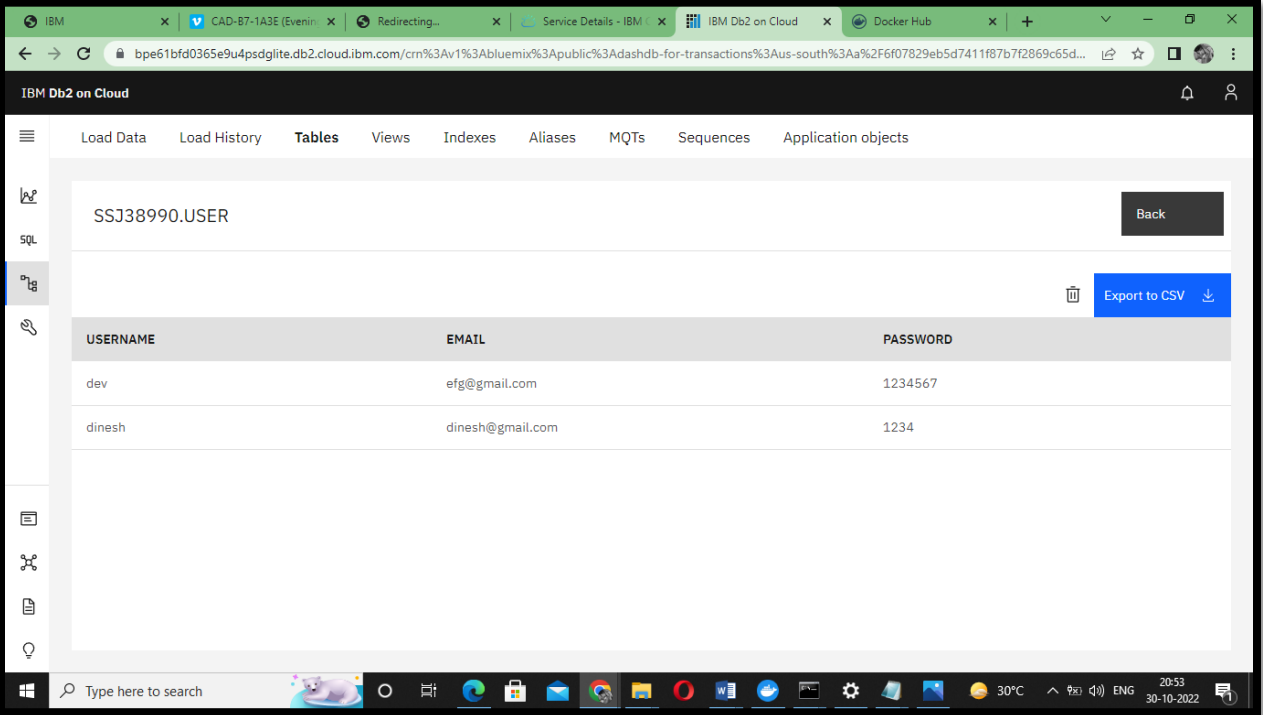
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index.html style.css app.py
40 msg = 'Please fill out the form !'
41 return render_template('register.html', msg=msg)
42
43 @app.route('/login', methods=['GET', 'POST'])
44 def login():
45     global userid
46     msg = ''
47
48     if request.method == 'POST':
49         username = request.form['username']
50         password = request.form['password']
51         sql = "SELECT * FROM user WHERE username=? AND password=?"
52         stmt = ibm_db.prepare(conn, sql)
53         ibm_db.bind_param(stmt, 1, username)
54         ibm_db.bind_param(stmt, 2, password)
55         ibm_db.execute(stmt)
56         account = ibm_db.fetch_assoc(stmt)
57         print(account)
58         if account:
59             session['loggedin'] = True
60             session['id'] = account['USERNAME']
61             userid = account['USERNAME']
62             session['username'] = account['USERNAME']
63             msg = 'Logged in successfully !'
64
65             msg = 'Logged in successfully !'
66             return render_template('dashboard.html', msg=msg)
67         else:
68             msg = 'Incorrect username / password !'
69             return render_template('login.html', msg=msg)
70
71 if __name__ == '__main__':
72     app.run(host='0.0.0.0')
73     # app.run(debug=True)
```





Database table:



The screenshot displays the IBM Db2 on Cloud console interface. The top navigation bar includes tabs for Load Data, Load History, Tables (selected), Views, Indexes, Aliases, MQTs, Sequences, and Application objects. The main content area shows the details of a table named 'SSJ38990.USER'. Below the table name, there is a table with three columns: USERNAME, EMAIL, and PASSWORD. The table contains two rows of data. A 'Back' button is located in the top right corner of the table details section. An 'Export to CSV' button is also visible in the top right corner of the table data section.

USERNAME	EMAIL	PASSWORD
dev	efg@gmail.com	1234567
dinesh	dinesh@gmail.com	1234