IBM DB 2 Creation

Date	17 November 2022
Team ID	PNT2022TMID14480
Project Name	Project – Global Sales Data Analytics
Maximum Marks	4 Marks

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

      import ibm_db         import re


                  app = Flask(_name_)


                  hostname = '2f3279a5-73d1-4859-88f0-
      a6c3e6b4b907.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud'      uid =
'hmf80902'   pwd = 'oHzpnV88erkd09'       driver = "{IBM DB2 ODBC DRIVER}"
      db_name = 'bludb'     port = '30756'        protocol = 'TCPIP'
                  cert = "C:/Users/Prithiarun/Desktop/IBM/TEST/certi.crt"
                  dsn = (
                      "DATABASE ={0};"
                      "HOSTNAME ={1};"
                      "PORT ={2};"
                      "UID ={3};"
                      "SECURITY=SSL;"
                      "PROTOCOL={4};"

                      "PWD ={6};"
 ).format(db_name, hostname, port, uid, protocol, cert, pwd)  connection =
ibm_db.connect(dsn, "", "")
                  print(dsn)
                  # query = "SELECT username FROM USER1 WHERE username=?"
                  # stmt = ibm_db.prepare(connection, query)
                  # ibm_db.bind_param(stmt, 1, username)
                  # ibm_db.execute(stmt)
                  # username = ibm_db.fetch_assoc(stmt)
      # print(username)     try:

     conn       =       ibm_db.connect(dsn,"",       "")
print("connected to database")     except:
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          print("unable to connect")      server =
ibm_db.server_info(conn)    print("DBSNAME: ",
server.DBMS_NAME)    print("DBMS_VER: ",
server.DBMS_VER)    print("DBNAME: ", server.DB_NAME)



                  app.secret_key = 'a'




      @app.route('/', methods=['GET', 'POST'])
      @app.route('/register', methods=['GET', 'POST'])   def
register():      msg = " "             if request.method == 'POST':
              username = request.form['username']               email_id
= request.form['email_id']                phone_no =
request.form['phone_no']           password = request.form['password']
              query = "SELECT * FROM USER1 WHERE username=?;"
                            stmt = ibm_db.prepare(connection,
                   query)         ibm_db.bind_param(stmt, 1,
                   username)         ibm_db.execute(stmt)
                   account = ibm_db.fetch_assoc(stmt)         if
                   (account):



                  msg = "Account already exists!"                    return
render_template('register.html', msg=msg)
                            # elif not re.match(r'[^@]+@[^@]+\.[^@]+', email_id):
                            #     msg = "Invalid email addres"
                            # elif not re.match(r'[A-Za-z0-9+', username):
              #     msg = "Name must contain only characters and numbers"
else:
                  query = "INSERT INTO USER1 values(?,?,?,?)"
stmt = ibm_db.prepare(connection, query)
ibm_db.bind_param(stmt, 1, username)
ibm_db.bind_param(stmt, 2, email_id)
ibm_db.bind_param(stmt, 3, phone_no)
ibm_db.bind_param(stmt, 4, password)                  ibm_db.execute(stmt)
                  msg = 'You have successfully Logged In!!'
return render_template('login.html', msg=msg)        else:
              msg = 'PLEASE FILL OUT OF THE FORM'               return
render_template('register.html', msg=msg)




      @app.route('/login', methods=['GET', 'POST'])      def
login():         global userid         msg = ' '             if
request.method == "POST":
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            username = request.form['username']
password = request.form['password']
            query = "select * from user1 where username=? and password=?"
stmt = ibm_db.prepare(connection, query)          ibm_db.bind_param(stmt, 1, username)
            ibm_db.bind_param(stmt, 2, password)              ibm_db.execute(stmt)
            account = ibm_db.fetch_assoc(stmt)
                        print(account)
                  if account:
                              session['Loggedin'] = True
                  session['id'] = account['USERNAME']
                  session['username'] = account['USERNAME']
                  msg = 'Logged in Successfully'

                              return render_template('welcome.html', msg=msg,
      username=str.upper(username))
else:
                  msg = 'Incorrect Username or Password'
return render_template('login.html', msg=msg)        else:
            msg = 'PLEASE FILL OUT OF THE FORM'               return
render_template('login.html', msg=msg)




 @app.route('/welcome', methods=['GET', 'POST'])         def
welcome():      if request.method == 'POST':
            username = request.form['username']
print(username)
            return render_template('welcome.html', username=username)           else:
                        return render_template('welcome.html', username=username)




                  if "main" == _name_:
                  app.run()
```