

SETTING UP APPLICATION ENVIRONMENT

Create IBM DB2 And Connect with Python

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Project Name	Smart Fashion Recommender Application
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Create IBM DB2 And Connect with Python:

```
from email.mime import image
from flask import Flask, render_template, request, redirect, url_for, session import
ibm_db
import re
app = Flask( name )
```

```
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=98538591-7217-4024-b027-
8baa776ffad1.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30875;PROTOCOL=T
CPIP;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=fxm42113;PWD=
XHzCZLrUPYhyRiHW;", "", "")
```

```
@app.route('/')
@app.route('/login', methods =['GET', 'POST']) def login():
msg = ''
if request.method == 'POST' and 'email' in request.form and 'password' in
request.form:
username = request.form['email'] password = request.form['password']
stmt = ibm_db.exec_immediate(conn,'SELECT * FROM PRIYA_DB WHERE email = % s AND
password = % s', (email, password, ))
account = ibm_db.fetch_both(stmt) if username==password:
session['loggedin'] = True session['id'] = account['id'] session['email'] =
account['email']
msg = 'Logged in successfully !'
return render_template('index.html', msg = msg) else:
msg = 'Incorrect username / password !'
return render_template('login.html', msg = msg)
```

```
@app.route('/register', methods =['GET', 'POST']) def register():
msg = ''
if request.method == 'POST' and 'username' in request.form and 'password' in
request.form and 'email' in request.form and 'roll_no' in request.form :
```

```

roll_no = request.form['roll_no'] username = request.form['username'] password =
request.form['password'] cpassword = request.form['cpassword'] email =
request.form['email']
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=98538591-7217-4024-b027-
8baa776ffad1.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30875;PROTOCOL=T
CPIP;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=fxm42113;PWD=
XHhCZLrUPYhyRiHW;", "", "")
stmt = ibm_db.exec_immediate(conn,'SELECT * FROM PRIYA_DB') if email==cpassword:
msg = 'Account already exists !'
elif not re.match(r'^@+@[^@]+\.[^@]+', email): msg = 'Invalid email address !'
elif not re.match(r'[A-Za-z0-9]+', username):
msg = 'Username must contain only characters and numbers !' elif not username or not
password or not email:
msg = 'Please fill out the form !' else:
sql=ibm_db.exec_immediate(conn,'INSERT INTO PRIYA_DB (roll_no, username, email,
password, cpassword) VALUES (%s, % s, % s, % s)')
msg = 'You have successfully registered !' print("you have successfully registered!")
return redirect(url('/login'))
elif request.method == 'POST':
msg = 'Please fill out the form !' return render_template('signup.html', msg = msg)

if name == ' main__': app.run(debug=True)
import ibm_db ibm_db.connect("DATABASE=bludb;HOSTNAME=98538591-7217-4024-b027-
8baa776ffad1.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=30875;PROTOCOL=T
CPIP;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=fxm42113;PWD=
XHhCZLrUPYhyRiHW;", "", "")

```

IBM Db2 on Cloud					
	Load Data	Load History	Tables	Views	Indexes
				Aliases	MQTs
					Sequences
					Application objects
	PYB72633.PRIYA_DB				Back
					Export to CSV
User name	Roll no	EMAIL	PASSWORD	Confirm password	
malar	9	malar@gmail.com	56789	56789	
priya	16	priya@gmail.com	12345	12345	
swetha	21	swetha@gmail.com	23456	23456	
vignesh	22	vignesh@gmail.com	98765	98765	