

IMPLEMENTING WEB APPLICATION

CREATE IBM DB2 AND CONNECT WITH PYTHON CODE

```
import os
from flask import Flask
from flask_bcrypt import Bcrypt
from flask_wtf.csrf import CSRFProtect
import ibm_db
from flask_mail import Mail
from datetime import timedelta

app = Flask(__name__)
app.secret_key =
'3e1b301336b1dd0b44422f12a22809c72ef33dc3ea965730b3240a9f6c9348ef'
flask_bcrypt = Bcrypt(app)
csrf = CSRFProtect(app)

# Session Timeout
app.permanent_session_lifetime = timedelta(minutes=30)

# Mail configuration
app.config['MAIL_SERVER'] = 'smtp.gmail.com'
app.config['MAIL_PORT'] = 587
app.config['MAIL_USE_TLS'] = True
app.config['MAIL_USERNAME'] = os.environ.get('E-MAIL')
app.config['MAIL_PASSWORD'] = os.environ.get('MAIL-PASSWORD')
mail = Mail(app)

# DB2 connection
conn = ibm_db.connect('DATABASE=bludb;HOSTNAME=0c77d6f2-5da9-48a9-81f8-
86b520b87518.bs2io90108kqb1od8lcg.databases'

'.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertificate=DigiCertGlob
alRootCA.crt;UID'
'yvm70187;PWD=59EVXEnKnTAAw2oN', '', '')
autocommitstatus = ibm_db.autocommit(conn)

# Registering Blueprints
from sprint1.routes import sprint1
from sprint2.routes import sprint2
from sprint3.routes import sprint3
from sprint4.routes import sprint4

app.register_blueprint(sprint1)
app.register_blueprint(sprint2)
app.register_blueprint(sprint3)
app.register_blueprint(sprint4)
```