Implementing Web Application
Create IBM DB2 and Connection with Python

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Team ID	PNT2022TMID30144
Project Name	Project - Customer Care Registry

Step 1 : Created IBM DB2 Services:
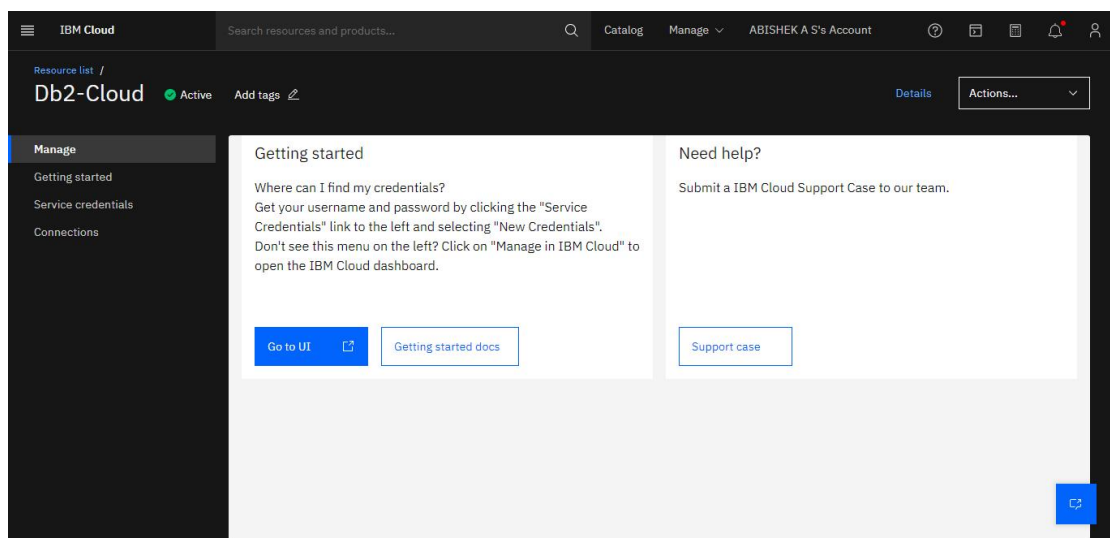
Step 2 : Import the ibm_db python library :

Pip install ibm_db

Import ibm_db

Step 3 : Identity the database connection credentials

```
connecionstring="DATABASE=bludb; HOSTNAME=9938aec0-8105-433e-8bf9-
0fbb7e483086.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud; PORT=
32459; SECURITY =SSL;UID=rmf92833; PWD=klHw5XHWgYzks5ql;"
conn = ibm_db.connect(connecionstring,'','')
```

Step 4 : Integrate IBM DB2 with python code:

```python
@app.route('/')
def home():
    return render_template("home.html")


@app.route('/signin',methods=["POST","GET"])
def signin():
    return render_template("signin.html")


@app.route('/addsignin',methods=['POST','GET'])
def addsignin():
    if request.method == "POST":
        email = request.form["email"]
        cpass  = request.form["cpass"]

        sel_sql = "SELECT * FROM Sample WHERE EMAIL=?"
        stmt = ibm_db.prepare(conn,sel_sql)
        ibm_db.bind_param(stmt,1,email)
        ibm_db.execute(stmt)
        acc = ibm_db.fetch_assoc(stmt)
        fname = ibm_db.result(stmt,'FNAME')

        if acc:
            if(str(cpass)) == str(acc['CPASS'].strip()):
                return render_template("home.html",msg="Welcome,",fname = fname)
            else:
                return render_template("signin.html",msg="Invalid E-Mail or Password")

        else:
            return render_template("signup.html",msg="Not a Member First SignUp")


@app.route('/signup',methods=['POST','GET'])
def signup():
    return render_template("signup.html")
```

Step 5 : Close the Connection:

ibm_db.close(conn)