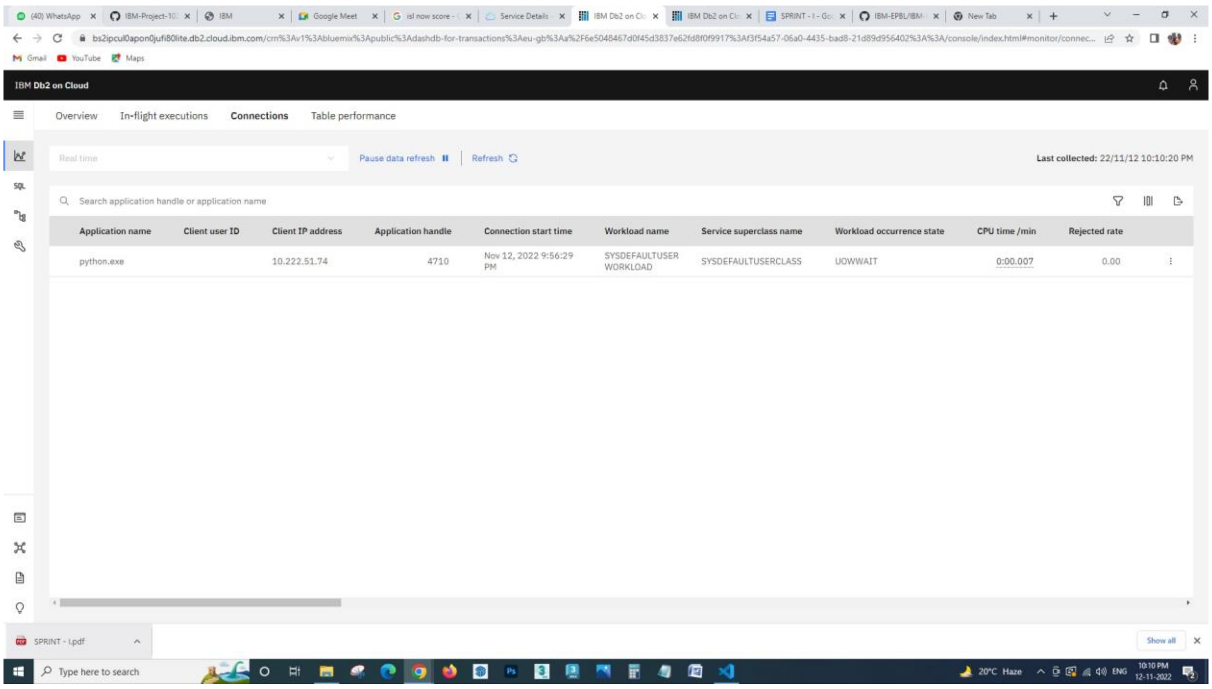
IMPLEMENTING WEB APPLICATION

Create IBM_DB2 And Connect with Python:

Team Id : PNT2022TMID45514

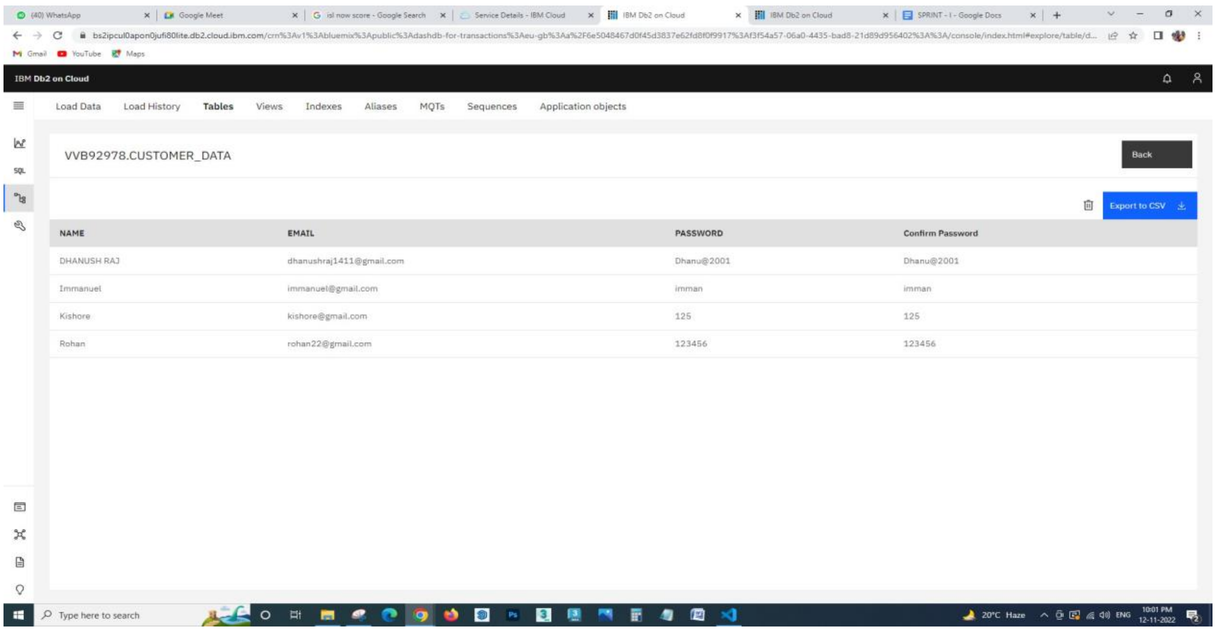
Project Name: Inventory Management System for Retailers

Connected the IBM_db2 using Python:



Last collected: 22/11/12 10:10:20 PM

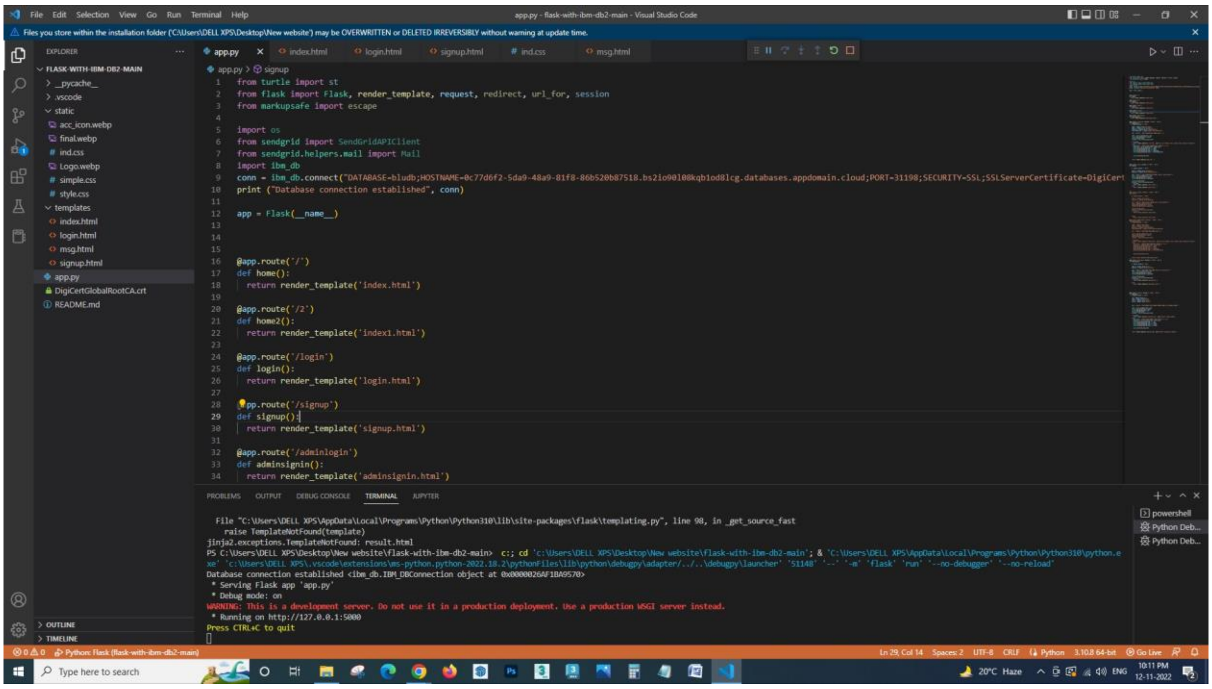
Application name	Client user ID	Client IP address	Application handle	Connection start time	Workload name	Service superclass name	Workload occurrence state	CPU time /min	Rejected rate
python.exe		10.222.51.74	4710	Nov 12, 2022 9:56:29 PM	SYSDEFAULTUSER WORKLOAD	SYSDEFAULTUSERCLASS	UOWWAIT	0:00.007	0.00



VVB92978.CUSTOMER_DATA

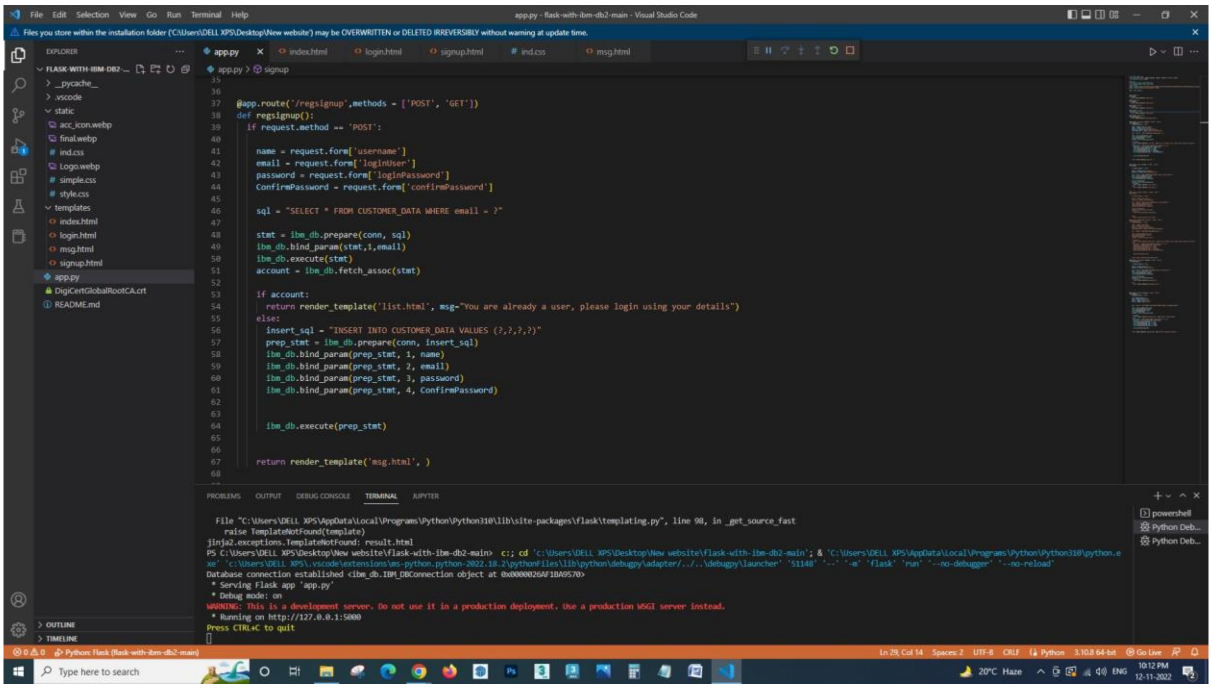
NAME	EMAIL	PASSWORD	Confirm Password
DHANUSH RAJ	dhanushraj1411@gmail.com	Dhanu@2001	Dhanu@2001
Immanuel	immanuel@gmail.com	imman	imman
Kishore	kishore@gmail.com	125	125
Rohan	rohan22@gmail.com	123456	123456

Source Code :



```python
from turtle import st
from flask import Flask, render_template, request, redirect, url_for, session
from markupsafe import escape

import os
from sendgrid import SendGridAPIClient
from sendgrid.helpers.mail import Mail
import ibm_db
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=0c77d6f2-5da9-48a9-81f8-86b520b87518.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=31198;SECURITY=SSL;SSLServerCertificate=DigiCert
print ("Database connection established", conn)

app = Flask(__name__)



@app.route('/')
def home():
  return render_template('index.html')

@app.route('/2')
def home2():
  return render_template('index1.html')

@app.route('/login')
def login():
  return render_template('login.html')

💡pp.route('/signup')
def signup():
  return render_template('signup.html')

@app.route('/adminlogin')
def adminsignin():
  return render_template('adminsignin.html')
```

```
  File "C:\Users\DELL XPS\AppData\Local\Programs\Python\Python310\lib\site-packages\flask\templating.py", line 98, in _get_source_fast
    raise TemplateNotFound(template)
jinja2.exceptions.TemplateNotFound: result.html
PS C:\Users\DELL XPS\Desktop\New website\flask-with-ibm-db2-main>  c:; cd 'c:\Users\DELL XPS\Desktop\New website\flask-with-ibm-db2-main'; & 'C:\Users\DELL XPS\AppData\Local\Programs\Python\Python310\python.e
xe' 'c:\Users\DELL XPS\.vscode\extensions\ms-python.python-2022.18.2\pythonFiles\lib\python\debugpy\adapter/../..\debugpy\launcher' '51148' '--' '-m' 'flask' 'run' '--no-debugger' '--no-reload'
Database connection established <ibm_db.IBM_DBConnection object at 0x0000026AF1BA9570>
 * Serving Flask app 'app.py'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
```



```python


@app.route('/regsignup',methods = ['POST', 'GET'])
def regsignup():
  if request.method == 'POST':

    name = request.form['username']
    email = request.form['loginUser']
    password = request.form['loginPassword']
    ConfirmPassword = request.form['confirmPassword']

    sql = "SELECT * FROM CUSTOMER_DATA WHERE email = ?"

    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt,1,email)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)

    if account:
      return render_template('list.html', msg="You are already a user, please login using your details")
    else:
      insert_sql = "INSERT INTO CUSTOMER_DATA VALUES (?,?,?,?)"
      prep_stmt = ibm_db.prepare(conn, insert_sql)
      ibm_db.bind_param(prep_stmt, 1, name)
      ibm_db.bind_param(prep_stmt, 2, email)
      ibm_db.bind_param(prep_stmt, 3, password)
      ibm_db.bind_param(prep_stmt, 4, ConfirmPassword)


      ibm_db.execute(prep_stmt)


    return render_template('msg.html', )

```

```
  File "C:\Users\DELL XPS\AppData\Local\Programs\Python\Python310\lib\site-packages\flask\templating.py", line 98, in _get_source_fast
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