

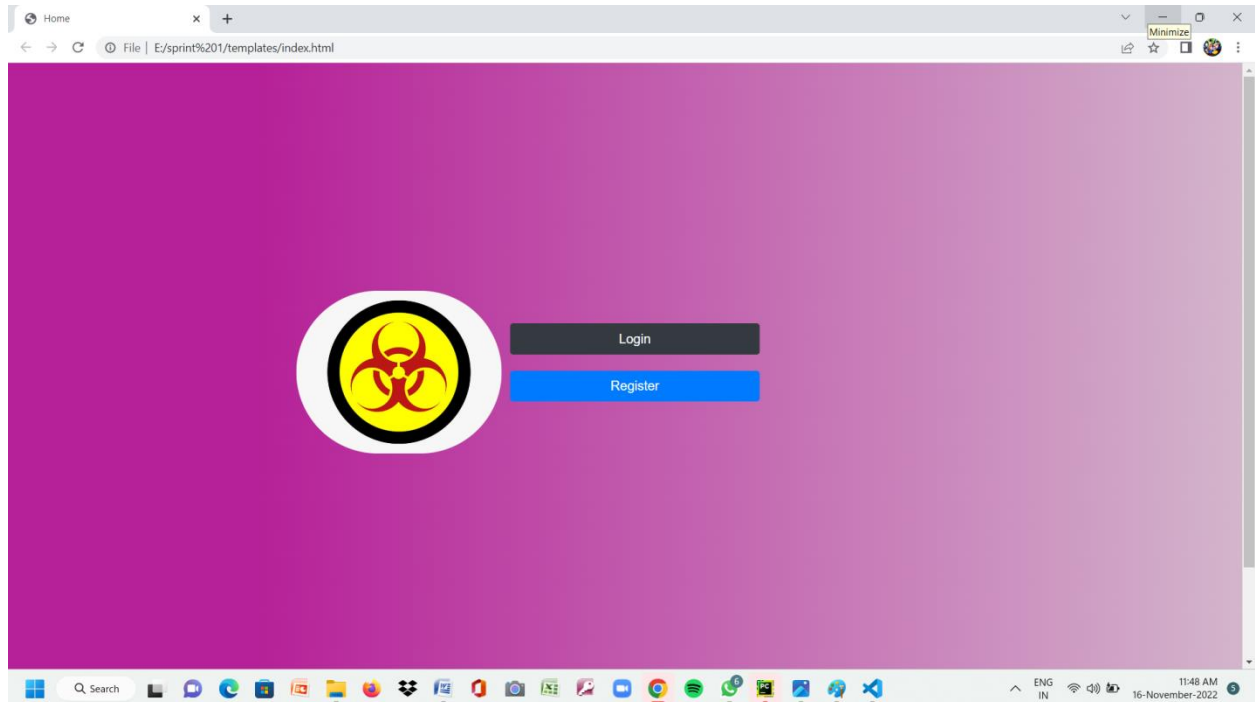
# SPRINT - 1

Team Id	PNT2022TMID48287
Project Name	Containment Zone Alerting Application

## HOME PAGE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
  integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfSpd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
  <link rel="stylesheet" href="style.css">
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
  integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
  DfxDz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-
  9/reFTGAW83EW2RDu2S0VKA1Zap3H66lZ81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>
  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-
  B4gt1jrGC7Jh4AgTPSdUt0Bvf08shuf57BaghqFfPlYxofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>
  <title>Home</title>
</head>
<body class="home">
  <div id="sectionhomepg">
    <div class="container">
      <div class="d-flex flex-row">
        
        <div class="d-flex flex-column al-btn">
          <button class="btn btn-dark btn-1 text" onclick="display('sectionloginpg')">Login</button>
          <button class="btn btn-primary btn-1 text" onclick="display('sectionregisterpg')">Register
        </div>
      </div>
    </div>
  </div>
</body>
</html>
```

## OUTPUT:



## LOGIN:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
  <link rel="stylesheet" href="style.css">
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-
9/reFTGAW83EW2RDu2S0VKAizap3H661Z81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>
  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-
B4gt1jrGC7Jh4AgTPSdUtOBvf08shuf57BaghqFfPlYxofvL8/KUEfYiJOMMMV+rV" crossorigin="anonymous"></script>
  <title>Home</title>
</head>
<body class="home">
  <div id="sectionloginpg" class="loginpage">
    <div class="container-1">
      <p class="text-center h1 fw-bold mb-5 mx-1 mx-md-4 mt-4 text-h">Login</p>
      <form>
        <!-- Email input -->
        <div class="form-outline mb-4">
          <label class="form-label text" for="form2Example1">Email address</label>
          <input type="email" id="form2Example1" class="form-control" />
        </div>
      </form>
    </div>
  </div>
</body>
</html>
```

```

<!-- Password input -->
<div class="form-outline mb-4">
  <label class="form-label text" for="form2Example2">Password</label>
  <input type="password" id="form2Example2" class="form-control" />
</div>

<!-- 2 column grid layout for inline styling -->
<div class="row mb-4">
  <div class="col d-flex justify-content-center">
    <!-- Checkbox -->
    <div class="form-check">
      <input class="form-check-input" type="checkbox" value="" id="form2Example31" checked />
      <label class="form-check-label text" for="form2Example31"> Remember me </label>
    </div>
  </div>

  <div class="col">
    <!-- Simple link -->
    <a href="#" class="text">Forgot password?</a>
  </div>
</div>

<!-- Submit button -->
<div class="d-flex justify-content-center mx-4 mb-3 mb-lg-4">
  <button type="button" class="text btn btn-primary btn-block mb-4 btn-2"
onclick="display('sectionhomepg')">Login</button>
  <button type="button" class="text btn btn-warning btn-block mb-4 btn-2"
onclick="display('sectionhomepg')">Home</button>
</div>

<!-- Register buttons -->
<div class="text-center">
  <p class="text">Not a member? <a href="#" class="text">Register</a></p>
  <p class="text">or sign up with:</p>
  <button type="button" class="btn btn-link btn-floating mx-1">
    <i class="fab fa-facebook-f"></i>
  </button>

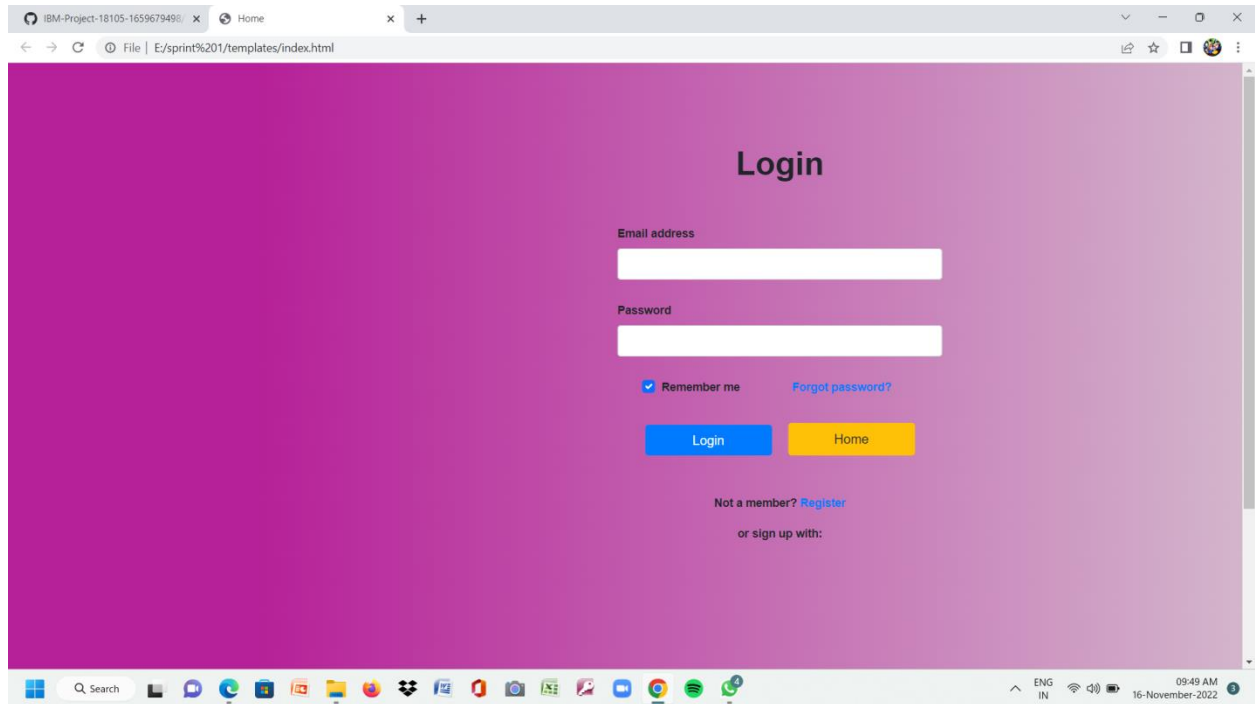
  <button type="button" class="btn btn-link btn-floating mx-1">
    <i class="fab fa-google"></i>
  </button>

  <button type="button" class="btn btn-link btn-floating mx-1">
    <i class="fab fa-twitter"></i>
  </button>

  <button type="button" class="btn btn-link btn-floating mx-1">
    <i class="fab fa-github"></i>
  </button>
</div>
</form>
</div>
</div>
</div>
</body>
</html>

```

## OUTPUT:



## REGISTER PAGE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
  integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztQCQTWfSpd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
  <link rel="stylesheet" href="style.css">
  <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
  integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous">
  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
  DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpmoFVy38MBVnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-
  9/reFTGAW83EW2RDu2S0VKAizap3H66lZ81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>
  <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js" integrity="sha384-
  B4gt1jrGC7Jh4AgTPSdUUt0Bvf08shuf57BaghGFfPLyXofvL8/KUEfYiJOMMV+rV" crossorigin="anonymous"></script>
  <title>Home</title>
</head>
<body class="home">
  <div id="sectionregisterpg">
    <div class="register">
      <div class="row d-flex justify-content-center align-items-center">
        <div class="col-lg-6 col-xl-11">
          <div class="row justify-content-center">
            <div class="col-md-10 col-lg-6 col-xl-5 order-2 order-lg-1">
              <p class="text-center h1 fw-bold mb-5 mx-1 mx-md-4 mt-4">Sign up</p>
              <form class="mx-1 mx-md-4">
                <div class="d-flex flex-row align-items-center mb-4">
```

```

        <i class="fas fa-user fa-lg me-3 fa-fw"></i>
        <div class="form-outline flex-fill mb-0">
            <label class="form-label text" for="form3Example1c">Your Name</label>
            <input type="text" id="form3Example1c" class="form-control" />
        </div>
    </div>

    <div class="d-flex flex-row align-items-center mb-4">
        <i class="fas fa-envelope fa-lg me-3 fa-fw"></i>
        <div class="form-outline flex-fill mb-0">
            <label class="form-label text" for="form3Example3c">Your Email</label>
            <input type="email" id="form3Example3c" class="form-control" />
        </div>
    </div>

    <div class="d-flex flex-row align-items-center mb-4">
        <i class="fas fa-envelope fa-lg me-3 fa-fw"></i>
        <div class="form-outline flex-fill mb-0">
            <label class="form-label text" for="form3Example3c">Mobile Number</label>
            <input type="email" id="form3Example3c" class="form-control" />
        </div>
    </div>

    <div class="d-flex flex-row align-items-center mb-4">
        <i class="fas fa-lock fa-lg me-3 fa-fw"></i>
        <div class="form-outline flex-fill mb-0">
            <label class="form-label text" for="form3Example4c">Password</label>
            <input type="password" id="form3Example4c" class="form-control" />
        </div>
    </div>

    <div class="d-flex flex-row align-items-center mb-4">
        <i class="fas fa-key fa-lg me-3 fa-fw"></i>
        <div class="form-outline flex-fill mb-0">
            <label class="form-label text" for="form3Example4cd">Repeat your password</label>
            <input type="password" id="form3Example4cd" class="form-control" />
        </div>
    </div>

    <div class="form-check d-flex ckb mb-5">
        <input class="form-check-input me-2" type="checkbox" value="" id="form2Example3c" />
        <label class="form-check-label " for="form2Example3">I agree all statements in <a
href="#"!>Terms of service</a></label>
    </div>

    <div class="d-flex justify-content-center mx-4 mb-3 mb-lg-4">
        <button type="button" class="text btn btn-primary btn-block mb-4 btn-2"
onclick="display('sectionhomepg')">Register</button>
        <button type="button" class="text btn btn-warning btn-block mb-4 btn-2"
onclick="display('sectionhomepg')">Home</button>
    </div>
</form>
</div>
</div>
</div>
</div>
</div>
<script type="text/javascript" src="https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/js/ccbp-ui-
kit.js"></script>
</body>
</html>

```

## OUTPUT:

The screenshot shows a web browser window with a single tab titled 'Home'. The address bar shows the file path 'E:/sprint%201/templates/index.html#'. The main content area has a solid purple background with the text 'Sign up' in white at the top center. Below this, there are five white input fields stacked vertically, each with a label above it: 'Your Name', 'Your Email', 'Mobile Number', 'Password', and 'Repeat your password'. Below the input fields is a checkbox with the text 'I agree all statements in [Terms of service](#)'. At the bottom of the form are two buttons: a blue 'Register' button and a yellow 'Home' button. The Windows taskbar is visible at the bottom of the screen, showing various application icons and the system clock indicating 09:50 AM on 16-November-2022.

## PYTHON CODE:

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

app = Flask(__name__)

import ibm_db

hostname = "21fecfd8-47b7-4937-840d-d791d0218660.bs2io90l08kqb1od8l1cg.databases.appdomain.cloud"
uid = "qks09318"
pwd = "JzP1aXXWusxW68kV"
driver = "{IBM DB2 ODBC DRIVER}"
db = "bludb"
port = "31864"
protocol = "TCPIP"
cert = "certificate.crt"

dsn = (
    "DATABASE={0};"
    "HOSTNAME={1};"
    "PORT={2};"
    "UID={3};"
    "SECURITY=SSL;"
    "SSLServerCertificate={4};"
    "PWD={5};"
).format(db, hostname, port, uid, cert, pwd)
print(dsn)
try:
    db2 = ibm_db.connect(dsn, "", "")
    print(" Success Connected to data base")
except:
```

```

        print("Unable to connect", ibm_db.conn_errormsg())

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

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

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

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

@app.route('/register', methods=['POST', 'GET'])
def register():
    if request.method == 'POST':
        username = request.form['username']
        email = request.form['email']
        password = request.form['password']
        sql = "SELECT * FROM user WHERE username =?"
        stmt = ibm_db.prepare(db2, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)

        if account:
            return render_template('logout.html', msg="Username Already Taken")
        else:
            sql = "insert into user(username,email,password) values(?,?,?)"
            prep_stmt = ibm_db.prepare(db2, sql)
            ibm_db.bind_param(prepare_stmt, 1, username)
            ibm_db.bind_param(prepare_stmt, 2, email)
            ibm_db.bind_param(prepare_stmt, 3, password)
            ibm_db.execute(prepare_stmt)
            return redirect(url_for('login'))

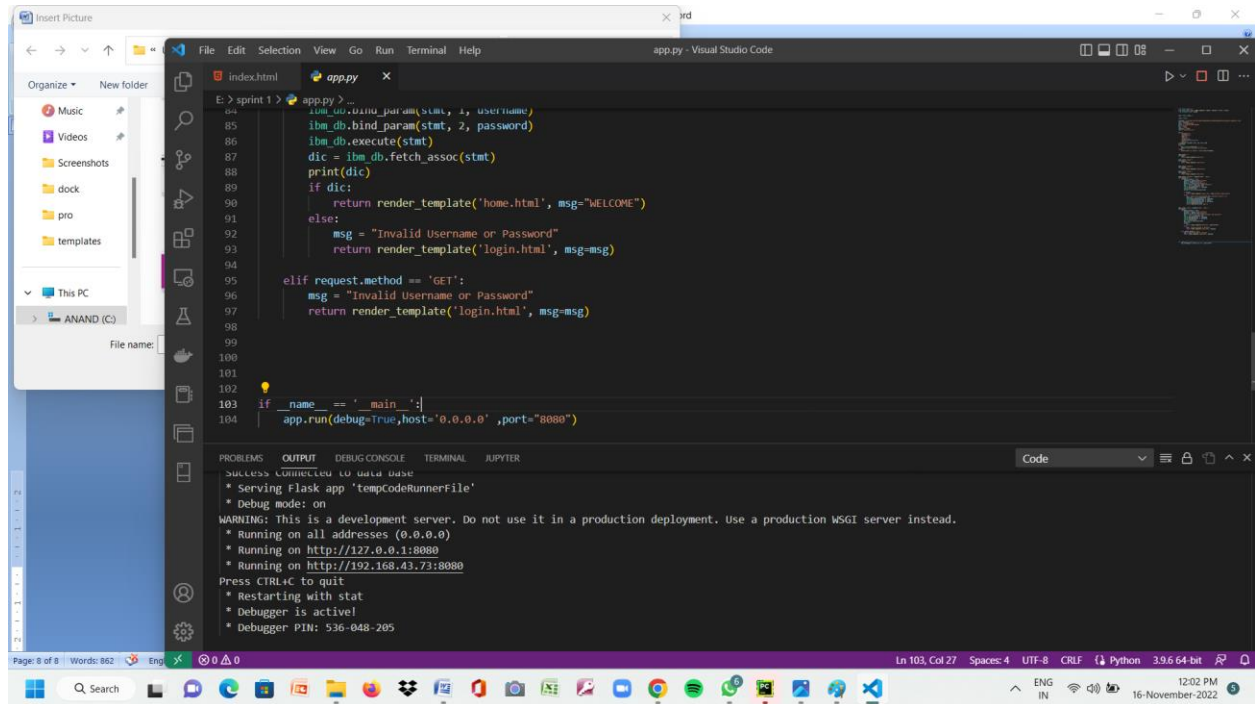
@app.route('/login', methods=['POST', 'GET'])
def login():
    if request.method == 'POST':
        username = request.form['username']
        password = request.form['password']
        sql = "select * from user where username=? and password=?"
        stmt = ibm_db.prepare(db2, sql)
        ibm_db.bind_param(stmt, 1, username)
        ibm_db.bind_param(stmt, 2, password)
        ibm_db.execute(stmt)
        dic = ibm_db.fetch_assoc(stmt)
        print(dic)
        if dic:
            return render_template('home.html', msg="WELCOME")
        else:
            msg = "Invalid Username or Password"
            return render_template('login.html', msg=msg)
    elif request.method == 'GET':
        msg = "Invalid Username or Password"
        return render_template('login.html', msg=msg)

if __name__ == '__main__':

    app.run(debug=True,host='0.0.0.0',port="8080")

```

## OUTPUT:



The screenshot shows the Visual Studio Code editor with a file explorer on the left and a terminal at the bottom. The file explorer shows a folder named 'ANAND (C:)' with subfolders 'Music', 'Videos', 'Screenshots', 'dock', 'pro', and 'templates'. The editor displays a file named 'app.py' with the following Python code:

```
84 E: > sprint 1 > app.py > _
85     ibm_db.bind_param(stmt, 1, username)
86     ibm_db.bind_param(stmt, 2, password)
87     ibm_db.execute(stmt)
88     dic = ibm_db.fetch_assoc(stmt)
89     print(dic)
90     if dic:
91         return render_template('home.html', msg="WELCOME")
92     else:
93         msg = "Invalid Username or Password"
94         return render_template('login.html', msg=msg)
95
96 elif request.method == 'GET':
97     msg = "Invalid Username or Password"
98     return render_template('login.html', msg=msg)
99
100
101
102
103 if __name__ == '__main__':
104     app.run(debug=True, host='0.0.0.0', port="8080")
```

The terminal output shows the following messages:

```
Success Connected to data base
* Serving Flask app 'tempCodeRunnerFile'
* 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 all addresses (0.0.0.0)
* Running on http://127.0.0.1:8080
* Running on http://192.168.43.73:8080
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 536-048-205
```

The status bar at the bottom indicates the file is at line 103, column 27, with 4 spaces, UTF-8 encoding, CRLF line endings, Python 3.9.6 64-bit, and the date 16-November-2022.