# SPRINT - 1

| DATE | 29 October 2022 |
|------|-----------------|
| Team ID | PNT2022TMID49588 |
| Project Name | Project-Personal Expense Tracker |

## CODE :

**Login.html**

```html
<!DOCTYPE html>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE-edge">
<meta name="viewport" content="width-device-width, initial-scale=1.0">
<html>

<head>
  <style>
    * {
        margin: 0;
        padding: 0;
        box-sizing: border-box;
    }

    body {
        width: 100vw;
        height: 100vh;
        background: linear-gradient(#141e30, #243b55, );
        font-family: sans-serif;
        overflow: hidden;
        background-image: url(money.jpg);

    }

    .main {
        position: absolute;
        top: 50%;
        left: 50%;
        transform: translate(-50%, -50%);
        padding: 1px;
        background: #0aeff0;
```

```css
        box-shadow: 0 0 5px rgba(0 0 0 /.5), 0 0 25px rgba(0 0 0 /.5), 0 0 50px
rgba(0 0 0 /.5), 0 0 100px #03e9f4;
    }

    .login-box {
        width: 400px;
        padding: 40px;
        background: rgba(0 0 0 /.9);
        box-sizing: border-box;
        border-radius: 10px;
    }

    .login-box h2 {
        margin: 0 0 30px;
        padding: 0;
        color: #ffff;
        text-align: center;
    }

    .login-box .user-box {
        position: relative;
    }

    .login-box .user-box input {
        width: 100%;
        padding: 10px 0;
        font-size: 16px;
        color: #ffff;
        margin-bottom: 30px;
        border: none;
        border-bottom: 1px solid #ffff;
        outline: none;
        background: transparent;
    }

    .login-box .user-box label {
        position: absolute;
        top: 0;
        left: 0;
        padding: 10px 0;
        font-size: 16px;
        color: #ffff;
        pointer-events: none;
        transition: .5s;
```

```css
    }

    .login-box .user-box input:focus~label,
    .login-box .user-box input:valid~label {
        top: -20px;
        left: 0%;
        color: #03e9f4;
        font-size: 12px;
    }

    .check {
        font-size: 16px;
        color: #ffff;
        user-select: none;
    }

    .login-box form a {
        position: relative;
        display: inline-block;
        padding: 10px 20px;
        color: #03e9f4;
        font-size: 16px;
        text-decoration: none;
        text-transform: uppercase;
        overflow: hidden;
        transition: .5s;
        margin-top: 40px;
        letter-spacing: 4px;
    }

    .login-box a:hover {
        background: #03e9f4;
        color: #ffff;
        border-radius: 5px;
        box-shadow: 0 0 5px #03e9f4, 0 0 25px #03e9f4, 0 0 50px #03e9f4, 0 0
100px #03e9f4;
    }

    .login-box a span {
        position: absolute;
        display: block;
    }

    .login-box a span:nth-child(1) {
```

```css
    top: 0;
    left: -100%;
    width: 100%;
    height: 2px;
    background: linear-gradient(90deg, transparent, #03e9f4);
    animation: btn1 1s linear infinite;
}

@keyframes btn1 {
    0% {
        left: -100%;
    }

    50%,
    100% {
        left: 100%;
    }
}

.login-box a span:nth-child(2) {
    top: -100%;
    right: 0;
    width: 2px;
    height: 100%;
    background: linear-gradient(90deg, transparent, #03e9f4);
    animation: btn2 1s linear infinite;
    animation-delay: .25s;
}

@keyframes btn2 {
    0% {
        top: -100%;
    }

    50%,
    100% {
        top: 100%;
    }
}

.login-box a span:nth-child(3) {
    bottom: 0;
    right: -100%;
    width: 100%;
```

```css
      height: 2px;
      background: linear-gradient(90deg, transparent, #03e9f4);
      animation: btn3 1s linear infinite;
      animation-delay: .5s;
    }

    @keyframes btn3 {
      0% {
        right: -100%;
      }

      50%,
      100% {
        right: 100%;
      }
    }

    .login-box a span:last-child {
      bottom: -100%;
      left: 0;
      width: 2px;
      height: 100%;
      background: linear-gradient(90deg, transparent, #03e9f4);
      animation: btn4 1s linear infinite;
      animation-delay: .75s;
    }

    @keyframes btn4 {
      0% {
        bottom: -100%;
      }

      50%,
      100% {
        bottom: 100%;
      }
    }
  </style>

  <title>Login</title>
</head>

<body>
  <div class="main">
```

```html
<div class="login-box">
    <form action="{{ url_for ('logout') }}" method="post"></form>
    <h2>Login</h2>
    <form>
        <div class="user-box">
            <input type="text" name="email" required>
            <label>Email</label>
        </div>
        <div class="user-box">
            <input type="password" name="password" class="password" required>
            <label>Password</label>
        </div>
        <div class="check">
            <input type="checkbox" id="passwordShow" onclick="show()"
class="show">
            <label for="passwordShow">Show Password</label>
        </div>
        <a href="{{ url_for ('login') }}">
            <span></span>
            <span></span>
            <span></span>
            <span></span>
            SIGN IN
        </a>

           
        <form action="register.html">
         <a href="{{ url_for ('register') }}">
                <span></span>
                <span></span>
                <span></span>
                <span></span>
                SIGN UP</a>
        </form>
    </form>
</div>
</div>
<script>
    function show(){
    const show = document.querySelector(".show");
    const pass = document.querySelector(".pass");
    show.addEventListener("click", () => {
        if (show.checked) {
            pass.setAttribute("type", "text");
```

```
        }
        else {
    <!DOCTYPE html>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE-edge">
<meta name="viewport" content="width-device-width, initial-scale=1.0">
<html>

<head>
    <style>
        * {
            margin: 0;
            padding: 0;
            box-sizing: border-box;
        }

        body {
            width: 100vw;
            height: 100vh;
            background: linear-gradient(#141e30, #243b55, );
            font-family: sans-serif;
            overflow: hidden;
            background-image: url(money.jpg);

        }

        .main {
            position: absolute;
            top: 50%;
            left: 50%;
            transform: translate(-50%, -50%);
            padding: 1px;
            background: #0aeff0;
            box-shadow: 0 0 5px rgba(0 0 0 /.5), 0 0 25px rgba(0 0 0 /.5), 0 0 50px
rgba(0 0 0 /.5), 0 0 100px #03e9f4;
        }

        .login-box {
            width: 400px;
            padding: 40px;
            background: rgba(0 0 0 /.9);
            box-sizing: border-box;
            border-radius: 10px;
        }
```

```css
.login-box h2 {
    margin: 0 0 30px;
    padding: 0;
    color: #ffff;
    text-align: center;
}

.login-box .user-box {
    position: relative;
}

.login-box .user-box input {
    width: 100%;
    padding: 10px 0;
    font-size: 16px;
    color: #ffff;
    margin-bottom: 30px;
    border: none;
    border-bottom: 1px solid #ffff;
    outline: none;
    background: transparent;
}

.login-box .user-box label {
    position: absolute;
    top: 0;
    left: 0;
    padding: 10px 0;
    font-size: 16px;
    color: #ffff;
    pointer-events: none;
    transition: .5s;
}

.login-box .user-box input:focus~label,
.login-box .user-box input:valid~label {
    top: -20px;
    left: 0%;
    color: #03e9f4;
    font-size: 12px;
}

.check {
```

```css
        font-size: 16px;
        color: #ffff;
        user-select: none;
    }

    .login-box form a {
        position: relative;
        display: inline-block;
        padding: 10px 20px;
        color: #03e9f4;
        font-size: 16px;
        text-decoration: none;
        text-transform: uppercase;
        overflow: hidden;
        transition: .5s;
        margin-top: 40px;
        letter-spacing: 4px;
    }

    .login-box a:hover {
        background: #03e9f4;
        color: #ffff;
        border-radius: 5px;
        box-shadow: 0 0 5px #03e9f4, 0 0 25px #03e9f4, 0 0 50px #03e9f4, 0 0
100px #03e9f4;
    }

    .login-box a span {
        position: absolute;
        display: block;
    }

    .login-box a span:nth-child(1) {
        top: 0;
        left: -100%;
        width: 100%;
        height: 2px;
        background: linear-gradient(90deg, transparent, #03e9f4);
        animation: btn1 1s linear infinite;
    }

    @keyframes btn1 {
        0% {
            left: -100%;
```

```css
        }

        50%,
        100% {
            left: 100%;
        }
    }

.login-box a span:nth-child(2) {
    top: -100%;
    right: 0;
    width: 2px;
    height: 100%;
    background: linear-gradient(90deg, transparent, #03e9f4);
    animation: btn2 1s linear infinite;
    animation-delay: .25s;
}

@keyframes btn2 {
    0% {
        top: -100%;
    }

    50%,
    100% {
        top: 100%;
    }
}

.login-box a span:nth-child(3) {
    bottom: 0;
    right: -100%;
    width: 100%;
    height: 2px;
    background: linear-gradient(90deg, transparent, #03e9f4);
    animation: btn3 1s linear infinite;
    animation-delay: .5s;
}

@keyframes btn3 {
    0% {
        right: -100%;
    }
```

```css
          50%,
          100% {
             right: 100%;
          }
       }

    .login-box a span:last-child {
       bottom: -100%;
       left: 0;
       width: 2px;
       height: 100%;
       background: linear-gradient(90deg, transparent, #03e9f4);
       animation: btn4 1s linear infinite;
       animation-delay: .75s;
    }

    @keyframes btn4 {
       0% {
          bottom: -100%;
       }

       50%,
       100% {
          bottom: 100%;
       }
    }
  </style>

  <title>Login</title>
</head>

<body>
   <div class="main">
     <div class="login-box">
        <form action="{{ url_for ('logout') }}" method="post"></form>
        <h2>Login</h2>
        <form>
          <div class="user-box">
            <input type="text" name="email" required>
            <label>Email</label>
          </div>
          <div class="user-box">
            <input type="password" name="password" class="password" required>
            <label>Password</label>
```

```html
            </div>
            <div class="check">
                <input type="checkbox" id="passwordShow" onclick="show()"
class="show">
                <label for="passwordShow">Show Password</label>
            </div>
            <a href="{{ url_for ('login') }}">
                <span></span>
                <span></span>
                <span></span>
                <span></span>
                SIGN IN
            </a>
```

           

```html
            <form action="register.html">
             <a href="{{ url_for ('register') }}">
                <span></span>
                <span></span>
                <span></span>
                <span></span>
                SIGN UP</a>
            </form>
        </form>
      </div>
    </div>
    <script>
       function show(){
       const show = document.querySelector(".show");
       const pass = document.querySelector(".pass");
       show.addEventListener("click", () => {
         if (show.checked) {
           pass.setAttribute("type", "text");
         }
         else {
           pass.setAttribute("type", "password");
         }
       })
    }
   </script>
</body>

</html>          pass.setAttribute("type", "password");
        }
```

```
        })
    }
    </script>
</body>
</html>
```

**register.html**
```
<!DOCTYPE html>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE-edge">
<meta name="viewport" content="width-device-width, initial-scale=1.0">
<html>

<head>
    <style>
        * {
            margin: 0;
            padding: 0;
            box-sizing: border-box;
        }

        body {
            width: 100vw;
            height: 100vh;
            background: linear-gradient(#141e30, #243b55, );
            font-family: sans-serif;
            overflow: hidden;
            background-image: url(money.jpg);

        }

        .main {
            position: absolute;
            top: 50%;
            left: 50%;
            transform: translate(-50%, -50%);
            padding: 1px;
            background: #0aeff0;
            box-shadow: 0 0 5px rgba(0 0 0 /.5), 0 0 25px rgba(0 0 0 /.5), 0 0 50px
rgba(0 0 0 /.5), 0 0 100px #03e9f4;
        }
```

```css
.login-box {
    width: 400px;
    padding: 40px;
    background: rgba(0 0 0 /.9);
    box-sizing: border-box;
    border-radius: 10px;
}

.login-box h2 {
    margin: 0 0 30px;
    padding: 0;
    color: #ffff;
    text-align: center;
}

.login-box .user-box {
    position: relative;
}

.login-box .user-box input {
    width: 100%;
    padding: 10px 0;
    font-size: 16px;
    color: #ffff;
    margin-bottom: 30px;
    border: none;
    border-bottom: 1px solid #ffff;
    outline: none;
    background: transparent;
}

.login-box .user-box label {
    position: absolute;
    top: 0;
    left: 0;
    padding: 10px 0;
    font-size: 16px;
    color: #ffff;
    pointer-events: none;
```

```css
        transition: .5s;
    }

    .login-box .user-box input:focus~label,
    .login-box .user-box input:valid~label {
        top: -20px;
        left: 0%;
        color: #03e9f4;
        font-size: 12px;
    }

    .check {
        font-size: 16px;
        color: #ffff;
        user-select: none;
    }

    .login-box form a {
        position: relative;
        display: inline-block;
        padding: 10px 20px;
        color: #03e9f4;
        font-size: 16px;
        text-decoration: none;
        text-transform: uppercase;
        overflow: hidden;
        transition: .5s;
        margin-top: 40px;
        letter-spacing: 4px;
    }

    .login-box a:hover {
        background: #03e9f4;
        color: #ffff;
        border-radius: 5px;
        box-shadow: 0 0 5px #03e9f4, 0 0 25px #03e9f4, 0 0 50px #03e9f4, 0
0 100px #03e9f4;
    }

    .login-box a span {
```

```css
    position: absolute;
    display: block;
}

.login-box a span:nth-child(1) {
    top: 0;
    left: -100%;
    width: 100%;
    height: 2px;
    background: linear-gradient(90deg, transparent, #03e9f4);
    animation: btn1 1s linear infinite;
}

@keyframes btn1 {
    0% {
        left: -100%;
    }

    50%,
    100% {
        left: 100%;
    }
}

.login-box a span:nth-child(2) {
    top: -100%;
    right: 0;
    width: 2px;
    height: 100%;
    background: linear-gradient(90deg, transparent, #03e9f4);
    animation: btn2 1s linear infinite;
    animation-delay: .25s;
}

@keyframes btn2 {
    0% {
        top: -100%;
    }

    50%,
```

```css
        100% {
            top: 100%;
        }
}

.login-box a span:nth-child(3) {
    bottom: 0;
    right: -100%;
    width: 100%;
    height: 2px;
    background: linear-gradient(90deg, transparent, #03e9f4);
    animation: btn3 1s linear infinite;
    animation-delay: .5s;
}

@keyframes btn3 {
    0% {
        right: -100%;
    }

    50%,
    100% {
        right: 100%;
    }
}

.login-box a span:last-child {
    bottom: -100%;
    left: 0;
    width: 2px;
    height: 100%;
    background: linear-gradient(90deg, transparent, #03e9f4);
    animation: btn4 1s linear infinite;
    animation-delay: .75s;
}

@keyframes btn4 {
    0% {
        bottom: -100%;
    }
```

```
          50%,
          100% {
              bottom: 100%;
          }
      }
    </style>

    <title>Register</title>
</head>

<body>

    <div class="main">
      <div class="login-box">
        <form action="{{ url_for('register') }}" method="post">
          <h2>Register</h2>

          <div class="msg">{{ msg }}</div>
          <div class="user-box">
            <input type="text" name="name" class="name" required>
            <label>Username</label>
          </div>
          <div class="user-box">
            <input type="text" name="email" class="email" required>
            <label>Email</label>
          </div>

          <div class="user-box">
            <input type="text" class="age" name="age" required>
            <label>Age</label>
          </div>
          <div class="user-box">
            <input type="text" class="income" name="income" required>
            <label>Income</label>
          </div>
          <div class="user-box">
            <input type="password" class="password" name="password"
required>
            <label>Password</label>
```

```html
            </div>
            <div class="user-box">
               <input type="password" class="cpassword" name="cpassword"
required>
               <label>Confirm Password</label>
            </div>
            <a href="">
               <span></span>
               <span></span>
               <span></span>
               <span></span>
               REGISTER</a>
         </form>

      </div>
   </div>

</body>

</html>
```

**app.py**
```python
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import re
app = Flask(__name__)
app.secret_key = 'a'
conn =
ibm_db.connect("DATABASE=bludb;HOSTNAME=6667d8e9-9d4d-4ccb-ba32
-21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30
376;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=p
ht72647;PWD=IlLWoOw2JKv8XKkj","","")
@app.route('/')
def home():
   return render_template('login.html')
@app.route('/login', methods =['GET', 'POST'])
def login():
   global userid
   msg = ''
```

```python
    if request.method == 'POST'and 'email' in request.form and 'password' in
request.form:
        email = request.form['email']
        password = request.form['password']
        stmt = ibm_db.prepare(conn,'SELECT * FROM user WHERE email = ?
AND password = ?')
        ibm_db.bind_param(stmt,1,email)
        ibm_db.bind_param(stmt,2,password)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        if account:
            session['loggedin'] = True
            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('/logout')
def logout():
    session.pop('loggedin', None)
    session.pop('id', None)
    session.pop('email', None)
    return redirect(url_for('login'))
@app.route('/register', methods =['GET', 'POST'])
def register():
    msg = ''
    if request.method == 'POST':
        name = request.form['name']
        email = request.form['email']
        age = request.form['age']
        income = request.form['income']
        password = request.form['password']
        cpassword = request.form['cpassword']
        sql = "SELECT * FROM user 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)
        print(account)
```

```python
        if account:
            msg = 'Account already exists !'
        elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
            msg = 'Invalid email address !'
        elif not re.match(r'[A-Za-z0-9]+', name):
            msg = 'Username must contain only characters and numbers !'
        elif not email or not password or not email:
            msg = 'Please fill out the form !'
        else:
            insert_sql = "INSERT INTO user VALUES (?, ?, ?, ?, ?, ?)"
            stmt = ibm_db.prepare(conn,insert_sql)
            ibm_db.bind_param(stmt, 1, name)
            ibm_db.bind_param(stmt, 2, email)
            ibm_db.bind_param(stmt, 3, age)
            ibm_db.bind_param(stmt, 4, income)
            ibm_db.bind_param(stmt, 5, password)
            ibm_db.bind_param(stmt, 6, cpassword)
            ibm_db.execute(stmt)
            msg = 'You have successfully registered !'
    elif request.method == 'POST':
        msg = 'Please fill out the form !'
    return render_template('register.html', msg = msg)
if __name__ == '__main__':
    app.run(debug = True)
```
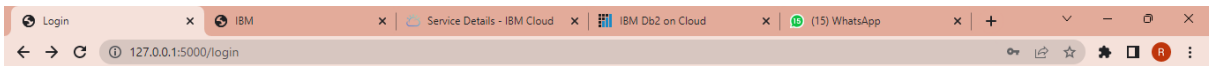
**OUTPUT:**
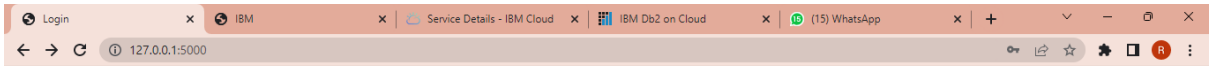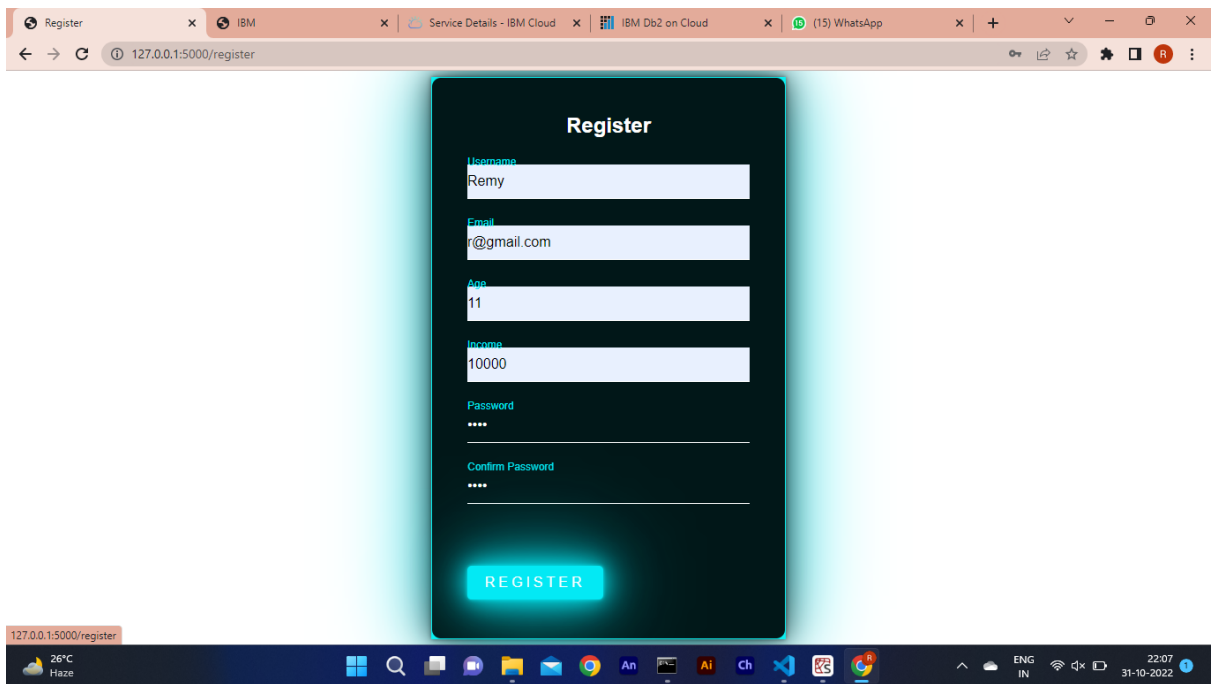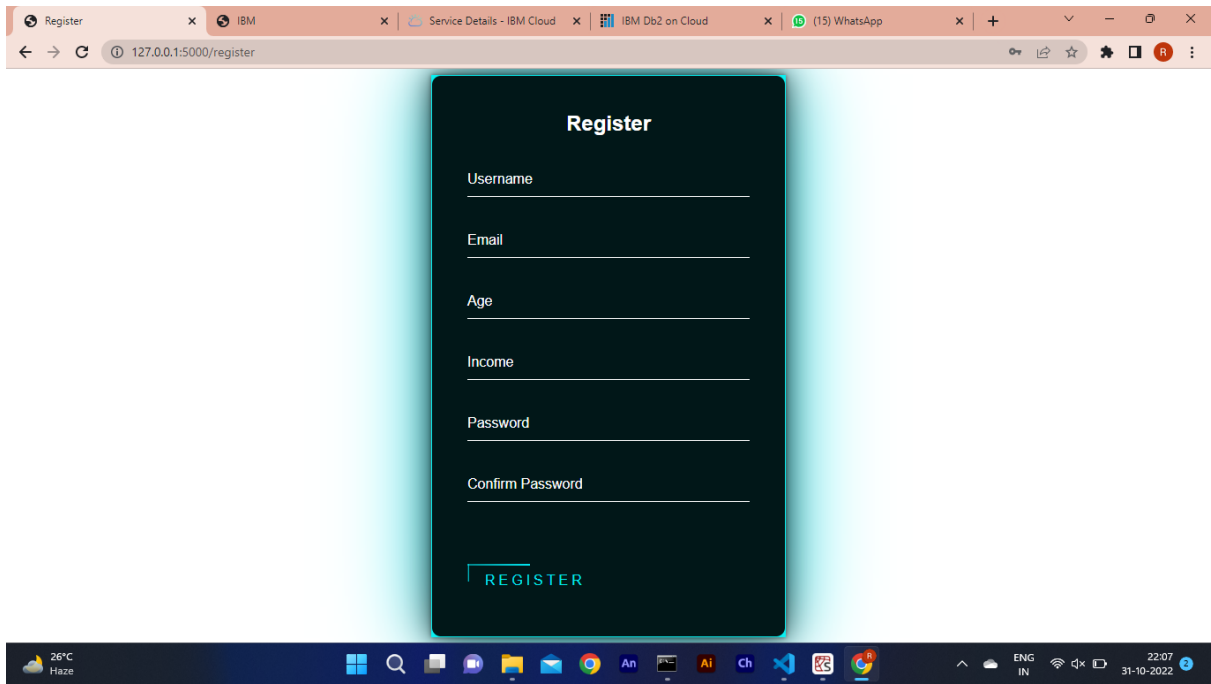
**IBM Db2 on Cloud**

Load Data    Load History    **Tables**    Views    Indexes    Aliases    MQTs    Sequences    Application objects

PHT72647.USER      **Back**

Export to CSV

| NAME | EMAIL | AGE | INCOME | PASSWORD | CPASSWORD |
| --- | --- | --- | --- | --- | --- |
| Remy | r@gmail.com | 11 | 10000 | remy | remy |
| josh | jos@gmail.com | 23 | 23344 | JOSH | JOSH |

26°C
Haze

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31-10-2022