

Index.py

```
import ibm_db
```

```
dictionary={}
```

```
def printTableData(conn):
```

```
    sql = "SELECT * FROM userdetails"
```

```
    out = ibm_db.exec_immediate(conn, sql)
```

```
    document = ibm_db.fetch_assoc(out)
```

```
    while document != False:
```

```
        dictionary.update({document['USERNAME']:document['PASSWORD']})
```

```
        document = ibm_db.fetch_assoc(out)
```

```
def insertTableData(conn,rollno,username,email,password):
```

```
    sql="INSERT INTO userdetails(rollno,username,email,password) VALUES  
({},'{}','{}','{}').format(rollno,username,email,password)
```

```
    out = ibm_db.exec_immediate(conn,sql)
```

```
    print('Number of affected rows : ',ibm_db.num_rows(out),"\\n")
```

```
def updateTableData(conn,rollno,username,email,password):
```

```
    sql = "UPDATE userdetails SET (username,email,password)=('{}','{}','{}') WHERE  
rollno={} ".format(username,email,password,rollno)
```

```
    out = ibm_db.exec_immediate(conn, sql)
```

```
    print('Number of affected rows : ', ibm_db.num_rows(out), "\\n")
```

```
def deleteTableData(conn,rollno):
```

```
    sql = "DELETE FROM userdetails WHERE rollno={} ".format(rollno)
```

```
    out = ibm_db.exec_immediate(conn, sql)
```

```
    print('Number of affected rows : ', ibm_db.num_rows(out), "\\n")
```

try:

```
conn=ibm_db.connect("DATABASE=bludb;HOSTNAME=b0aebb68-94fa-46ec-a1fc-1c999edb6187.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;PORT=31249;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=lmf89137;PWD=veOooJR9cKcT0IB3;", "", "")

print("Db connected")
```

except:

```
print("Error")
```

```
from flask import Flask,render_template,request,url_for,session
```

```
app=Flask(__name__)
```

```
@app.route("/")
```

```
@app.route("/login",methods=['POST','GET'])
```

```
def login():
```

```
    if request.method=="POST":
```

```
        printTableData(conn)
```

```
        username=request.form['username']
```

```
        password=request.form['password']
```

```
        if dictionary[username] == password:
```

```
            return "Logged in successfully"
```

```
    return render_template('login.html')
```

```
@app.route("/register",methods=['POST','GET'])
```

```
def register():
```

```
    if request.method=="POST":
```

```
email = request.form['email']
password = request.form['password']
age = request.form['age']
profession = request.form['profession']
insertTableData(conn,email, password, age, profession)
#printTableData(conn)
return render_template('login.html')
return render_template('registration.html')
```

```
#deleteTableData(conn,6)
#printTableData(conn)
#print(dictionary)
```

```
if __name__=="__main__":
    app.run(debug=True)
```

Login Page

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-
KJ3o2DKtIkVYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
integrity="sha384-
ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
integrity="sha384-
```

```
JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI"
crossorigin="anonymous"></script>
```

```
<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
integrity="sha384-
Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwigGFAW/dAiS6JXm"
crossorigin="anonymous">
```

```
<title>Login page</title>
```

```
<style type="text/css">
```

```
body{
    background-color: rgb(179, 237, 176);
}
```

```
.msg,.login{
    text-align: center;
    margin-top: 25px;
    margin-bottom: 25px;
}
```

```
form{
    margin-left: 550px;
    width: 30%;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<nav class="h1 navbar navbar-light p-3 mb-2 bg-primary text-white justify-content-
between">
```

```
<a class="navbar-brand">Personal Expense Tracker</a>
```

```
</nav>
```

```
<form action="/login" method="POST">
```

```
<h5 class="msg" style="color:rgb(50, 41, 211);">Fill the neccessary details to
login.</h5>
```

```
<div class="form-group">
    <label for="exampleInputEmail">Email</label>
    <input type="text" name="email" class="form-control" id="exampleInputEmail" aria-
describedby="emailHelp" placeholder="Enter Username">
</div>
<div class="form-group">
    <label for="exampleInputPassword">Password</label>
    <input type="password" name="password" class="form-control"
id="exampleInputPassword" placeholder="Password">
</div>
```

```
<div>
    New User ? Click to <a href="{{url_for('register')}}">Register</a>
</div>
<br>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
</body>
</html>
```

Registration Page

```
<!DOCTYPE html>
<html lang="en">
<head>
```

<meta charset="UTF-8">

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYI" crossorigin="anonymous"></script>

<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJISAwIGgFAW/dAiS6JXm" crossorigin="anonymous">

<title>Register page</title>

<style type="text/css">

```
body{
    background-color: rgb(179, 237, 176);
}
```

```
.msg,.login{
    text-align: center;
    margin-top: 25px;
    margin-bottom: 25px;
}
```

```
form{
    margin-left: 550px;
    width: 30%;
}
```

```
</style>
</head>
<body>
  <nav class="h1 navbar navbar-light p-3 mb-2 bg-primary text-white justify-content-between">
    <a class="navbar-brand">Personal Expense Tracker</a>
  </nav>
  <form action="/register" method="POST">
    <h5 class="msg" style="color:rgb(50, 41, 211);">Fill the neccessary details to register.</h5>

    <div class="form-group">
      <label for="exampleInputUsername">User Name</label>
      <input type="text" name="username" class="form-control" id="exampleInputUsername" aria-describedby="emailHelp" placeholder="Enter Username">
    </div>

    <div class="form-group">
      <label for="exampleInputEmail">Email</label>
      <input type="text" name="email" class="form-control" id="exampleInputEmail" aria-describedby="emailHelp" placeholder="Enter Username">
    </div>

    <div class="form-group">
      <label for="exampleInputPassword">Password</label>
      <input type="password" name="password" class="form-control" id="exampleInputPassword" placeholder="Password">
    </div>

    <div class="form-group">
      <label for="exampleInputAge">Age</label>
      <input type="age" name="age" class="form-control" id="exampleInputage" placeholder="Age">
    </div>
```

```

<div class="form-group">
    <label for="exampleInputAge">Profession</label>
    <input type="profession" name="profession" class="form-control"
id="exampleInputprofession" placeholder="Profession">
</div>

<div>
    Already a User ? Click to <a href="{{url_for('login')}}">Login</a>
</div>

<br>

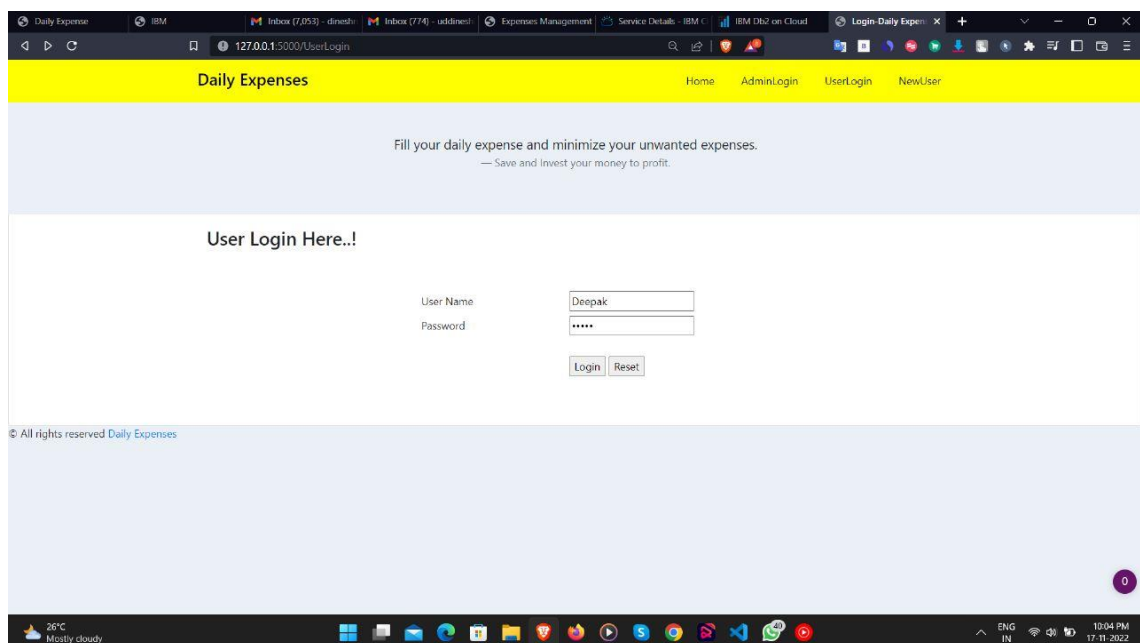
<button type="submit" class="btn btn-primary">Submit</button>

</form>
</body>
</html>

```

Output:

Login page:



Registration Page:

Daily Expense IBM Inbox (7,053) - dineshruram@gmail.co... Inbox (774) - uddinesh091@gmail.co... Register-Daily Expense

127.0.0.1:5000/NewUser

Daily Expenses Home AdminLogin UserLogin NewUser

Fill your daily expense and minimize your unwanted expenses.
— Save and invest your money to profit.

New User Registration

Name:

Gender: ☒ Male ☐ Female

Age:

Email Id:

Phone Number:

Address:

User Name:

Password:

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