**PROJECT 1**

**Mini project on database management which demonstrate the use of sql connector to connect the my sql database with the python and accessing the data**

**1) Python code**

**# file name (mini.py)**

import mysql.connector  
from flask import Flask, render\_template, request, redirect, url\_for, session  
  
  
mydb=mysql.connector.connect(host="localhost",user="root",password="mayur",database="db")  
s=mydb.cursor()  
app=Flask(\_\_name\_\_)  
  
  
@app.route('/')  
@app.route('/login',methods=['GET', 'POST'])  
def login():  
 msg=''  
 if request.method == 'POST' and 'username' in request.form and 'password' in request.form:  
 username = request.form.get('username')  
 password = request.form.get('password')  
 s.execute('SELECT \* FROM accounts WHERE username = %s AND password = %s',(username,password))  
 account = s.fetchone()  
 if account:  
 session['loggedin'] = True  
 session['username'] = account[0]  
 session['id'] = account[2]  
 msg = 'Logged in successfully !'  
 return render\_template("index.html",account=account)  
 else:  
 msg = 'Incorrect username / password !'  
 return render\_template("login.html",msg=msg)  
  
  
@app.route("/index")  
def index():  
 if 'loggedin' in session:  
 sql="SELECT \* FROM accounts WHERE username ={}".format(session['username'])  
 s.execute(sql)  
 account = s.fetchone()  
 return render\_template("index.html",account=account)  
 return redirect(url\_for('login'))  
  
  
@app.route('/logout')  
def logout():  
 session.pop('loggedin', None)  
 session.pop('id', None)  
 session.pop('username', None)  
 return redirect(url\_for('login'))  
  
@app.route('/display')  
def display():  
 if 'loggedin' in session:  
 mydb = mysql.connector.connect(host="localhost", user="root", password="mayur", database="db")  
 s = mydb.cursor()  
 sql="SELECT \* FROM {}".format(session['id'])  
 s.execute(sql)  
 account1 = s.fetchall()  
 return render\_template("display.html",account1=account1)  
 return redirect(url\_for('login'))  
  
  
if \_\_name\_\_=="\_\_main\_\_":  
 app.run(debug=True)  
mydb.commit()

**2) file name (login.html)**

<!DOCTYPE html>  
<html>  
<head>  
 <meta charset="UTF-8">  
 <title>Login</title>  
 <link rel="stylesheet" href="../static/style.css">  
</head>  
<body>  
 <div class="login-content" align="center">  
 <div class="login-top">  
 <h1>Login</h1>  
 </div>  
 <div class="login-bottom">  
 <form action="{{ url\_for('login')}}" method="post" autocomplete="off">  
 <input type="text" name="username" placeholder="Enter Your Username" class="textbox" id="username" required><br><br>  
 <input type="password" name="password" placeholder="Enter Your Password" class="textbox" id="password" required><br><br>  
 <input type="submit" class="btn" value="Login">  
 </form>  
 </div>  
 </div>  
</body>  
</html>

**3) file name (display.html)**

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <title>Display</title>  
 <link rel="stylesheet" href="../static/style.css">  
</head>  
<body style="background-color: #e6ffee;">  
 <div class="one">  
 <div class="two">  
 <h1>Side Bar</h1>  
 <ul>  
 <li class="active"><a href="{{url\_for('logout')}}">LOGOUT</a></li>  
 </ul>  
 </div>  
 <div class="content" align="center">  
 <div class="topbar">  
 <h2>Welcome</h2>  
 </div>  
 <div class="contentbar">  
 <div class="msg1">  
 <p>PORTFOLIO</p>  
 </div>  
 <div class="msg">  
 <p>STOCK NAME: {{account1[0][0]}}</p>  
 <p>STOCK PRICE: {{account1[0][1]}}</p>  
 <p>QUANTITY: {{account1[0][2]}}</p>  
 </div>  
 </div>  
 </div>  
 </div>  
</body>  
</html>

**4) file name (index.html)**

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1.0">  
 <title>Portfolio</title>  
 <!-- Bootstrap CSS -->  
 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">  
 <!-- Custom CSS -->  
 <link rel="stylesheet" href="../static/style.css">  
</head>  
<body style="background-color: #e6ffee;">  
  
<div class="container-fluid">  
 <div class="row">  
 <div class="col-lg-3">  
 <div class="sidebar">  
 <h1>NAVIGATE</h1>  
 <ul class="nav flex-column">  
 <li class="nav-item"><a class="nav-link active" href="{{url\_for('display')}}">PORTFOLIO</a></li>  
 <li class="nav-item"><a class="nav-link active" href="{{url\_for('logout')}}">LOGOUT</a></li>  
 </ul>  
 </div>  
 </div>  
 <div class="col-lg-9">  
 <div class="content" align="center">  
 <div class="topbar">  
 <h2>Welcome, {{ account[0] }}</h2>  
 </div>  
 <div class="contentbar">  
 <div class="msg">  
 <p>PROFILE</p>  
 </div>  
 <div class="msg">  
 <p>USERNAME: {{account[0]}}</p>  
 </div>  
 <div class="msg">  
 <p>ACCOUNT ID: {{account[2]}}</p>  
 </div>  
 <div class="msg">  
 <p>EMAIL ID: {{account[3]}}</p>  
 </div>  
 </div>  
 </div>  
 </div>  
 </div>  
</div>  
  
<!-- Bootstrap JS and jQuery -->  
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>  
<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></script>  
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>  
</body>  
</html>

**5)file name(style.css)**

/\* style.css \*/  
.one {  
 display: flex;  
}  
  
.two {  
 width: 20%;  
 background-color: #343a40;  
 color: #fff;  
 padding: 20px;  
 height: 100vh;  
}  
  
.two h1 {  
 margin-bottom: 30px;  
}  
  
.content {  
 width: 80%;  
}  
  
.topbar {  
 background-color: #007bff;  
 color: #fff;  
 padding: 15px;  
}  
  
.contentbar {  
 padding: 20px;  
}  
  
.msg1 {  
 margin-bottom: 20px;  
}  
  
.msg {  
 background-color: #fff;  
 padding: 20px;  
 border-radius: 5px;  
 box-shadow: 0px 0px 10px 0px rgba(0,0,0,0.1);  
}  
  
.msg p {  
 margin-bottom: 10px;  
}  
  
  
/\* style.css \*/  
body {  
 background-color: #f0f0f0;  
 font-family: Arial, sans-serif;  
}  
  
.login-content {  
 margin-top: 100px;  
}  
  
.login-top h1 {  
 color: #333;  
}  
  
.login-bottom {  
 background-color: #fff;  
 padding: 20px;  
 border-radius: 5px;  
 box-shadow: 0px 0px 10px 0px rgba(0,0,0,0.1);  
}  
  
.textbox {  
 width: 300px;  
 padding: 10px;  
 border: 1px solid #ccc;  
 border-radius: 5px;  
 margin-bottom: 20px;  
}  
  
.btn {  
 background-color: #007bff;  
 color: #fff;  
 padding: 10px 20px;  
 border: none;  
 border-radius: 5px;  
 cursor: pointer;  
}  
  
.btn:hover {  
 background-color: #0056b3;  
}  
  
  
/\* style.css \*/  
.sidebar {  
 background-color: #343a40;  
 color: #fff;  
 padding: 20px;  
 height: 100vh;  
}  
  
.sidebar h1 {  
 margin-bottom: 30px;  
}  
  
.topbar {  
 background-color: #007bff;  
 color: #fff;  
 padding: 15px;  
}  
  
.contentbar {  
 padding: 20px;  
}  
  
.msg {  
 margin-bottom: 15px;  
}  
  
.nav-link {  
 color: #fff;  
}  
  
.nav-link:hover {  
 color: #fff;  
}  
  
  
  
}