PRACTICAL 4 PART A

LOGIN CODE SHOULD BE IN TEMPLATES FOLDER

py –m venv env

env\Scripts\activate

pip install flask

Asmita.py code:

from flask import Flask, render\_template, request, jsonify, redirect

app = Flask(\_\_name\_\_)

import mysql.connector

mydb=mysql.connector.connect(user='root',password='abc@123',host='localhost', database='learncoding')

db\_cursor=mydb.cursor()

@app.route('/')

def login():

    return redirect('/login')

@app.route('/login')

def serve\_login():

    return render\_template("Loginpage.html")

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

def get\_form\_data():

   return jsonify({"username": request.form.get("username"), "password": request.form.get("password")}, "Login successful")

if \_\_name\_\_ == '\_\_main\_\_':

    app.run(debug=True)

loginpage.html:

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <h2></h2>

    <div class="container">

    <form action="/login\_process" method="post">

        <label for="username">Enter Username</label>

        <input name="username" type="text" placeholder="Username">

        <label for="password">Enter Password</label>

        <input name="password" placeholder="Password" type="password" >

        <button type="submit">Submit</button>

    </form>

    </div>

</body>

<style>

    body {

        justify-content: center;

        align-items: center;

        margin: 5em 5em;

        padding: 5em 5em;

    }

    form > input{

        height: 1cm;

        margin: 1.2cm;

    }

    form > button {

        width: 5em;

        height: 2em;

    }

    .container > form {

        padding: 2.5em 5em;

        display: flex;

        flex-direction: column;

        font-size: larger;

    }

</style>

</html>

PRACTICAL 4 PART B:

Asmita.py

from flask import Flask, render\_template, request, redirect, url\_for

from flask\_mysqldb import MySQL

app = Flask(\_\_name\_\_)

app.config['MYSQL\_HOST'] = 'localhost'

app.config['MYSQL\_USER'] = 'root'

app.config['MYSQL\_PASSWORD'] = 'abc@123'

app.config['MYSQL\_DB'] = 'niki'

mysql = MySQL(app)

@app.route('/')

def func1():

    return render\_template('login.html')

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

def login():

    if request.method == 'POST' and 'username' in request.form and 'password' in request.form:

        username = request.form['username']

        password = request.form['password']

        cursor = mysql.connection.cursor()

        cursor.execute("SELECT \* FROM flasktable WHERE user\_id=%s AND password\_user=%s", (username, password))

        account = cursor.fetchone()

        if account:

            return render\_template('aboutme.html')

        else:

            return redirect(url\_for("fail"))

@app.route('/fail')

def fail():

    return "Invalid Credentials- Please enter correct username and password!"

if \_\_name\_\_ == '\_main\_':

    app.run(debug=True)

login.html

<!DOCTYPE html>

<html>

<head>

    <title>Login Page</title>

    <style>

        body {

            font-family: Arial, sans-serif;

            background-color: #f2f2f2;

            text-align: center;

        }

        .container {

            background-color: #fff;

            max-width: 400px;

            margin: 100px auto;

            padding: 20px;

            border-radius: 5px;

            box-shadow: 0 0 5px rgba(0, 0, 0, 0.3);

        }

          h3 {

            font-size: 18px;

            color: #007BFF; /\* Set text color to dark blue \*/

        }

        input {

            display: block;

            width: 100%;

            padding: 6px;

            margin: 10px 0;

            border: 1px solid #ccc;

            border-radius: 3px;

            background-color: #f9f9f9; /\* Light grey background \*/

        }

        input[type="submit"] {

            background-color: #007BFF; /\* Blue button \*/

            color: #fff;

            border: none;

            padding: 10px 15px;

            cursor: pointer;

        }

    </style>

</head>

<body>

    <div class="container">

        <h2>Login Page</h2><br>

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

            <h3>Username:</h3>

            <input type="text" id="username" name="username" required>

            <h3>Password:</h3>

            <input type="password" id="password" name="password" required>

            <br>

            <input type="submit" value="Login">

        </form>

    </div>

</body>

</html>

Aboutme.html

<!DOCTYPE html>

<html>

<head>

    <title>About Me</title>

</head>

<body>

    <table align="center" width="600">

        <tr>

            <td align="center">

                <h1>About Me</h1>

            </td>

        </tr>

        <tr>

            <td align="center">

                <p>Hey, thanks for logging in. I am Asmita, a 5th-year integrated M.Tech Bioengineering student.</p>

            </td>

        </tr>

    </table>

</body>

</html>

Mysql queries:

CREATE DATABASE niki;

USE niki;

CREATE TABLE user\_detail(user\_id varchar(30) NOT NULL,password\_user varchar(30) NOT NULL);

INSERT INTO user\_detail(user\_id,password\_user)VALUES ('asmita','abc@123');

SELECT \* FROM user\_detail;