

Assignment -2

IBM CLOUD DB2

Assignment Date	24 September 2022
Student Name	Sriram R
Student Roll Number	722819104147
Maximum Marks	2 Marks

Question-1: Create User table with user with email,username,roll number, password.

The screenshot shows the IBM Db2 on Cloud console interface. The 'Tables' tab is selected, and a new table named 'USERTABLE' is being defined. The table definition panel on the right shows the following columns:

Name	Data type	Nullable	Length	Scale
USERNAME	CHAR	Y	5	0
ROLLNUMBER	INTEGER	Y		0
EMAIL	CHAR	Y	5	0
PASSWORD	VARCHAR	Y	32	0

A 'View data' button is located at the bottom of the table definition panel.

The screenshot shows the IBM Db2 on Cloud console interface. The 'Tables' tab is selected, and the table 'DTP46044.USERTABLE' is displayed. The table is empty, and a message 'There is no data here yet' is shown. A 'Back' button is visible in the top right corner.

Question-2: Perform UPDATE,DELETE Queries with user table

IBM Db2 on Cloud

Data objects My script

Filter objects

DTP46044

SQL

History

Find history

Script	Date	Status	Runtime
Untitled - 1	Oct 10, 2022 12:51:13 PM	1	0.018 s
INSERT INTO USERTABLE VALUES ('VK',21,'VK@gamil.com','1234')			

12:51 10-10-2022

IBM Db2 on Cloud

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

DTP46044.USERTABLE

Back

Export to CSV

USERNAME	ROLLNO	EMAIL	PASSWORD
VK	21	VK@gamil.com	1234

12:51 10-10-2022

IBM Db2 on Cloud

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

DTP46044.USERTABLE

Back

Export to CSV

USERNAME	ROLLNO	EMAIL	PASSWORD
PARAMESH	21	VK@gamil.com	1234
VK	23	VK@gamil.com	12034

IBM Db2 on Cloud

Data objects My script

Filter objects

DTP46044

*Untitled - 1

DELETE FROM USERTABLE WHERE ROLLNO = 23 ;

Run all

History

Script	Date	Status	Runtime
Untitled - 1	Oct 10, 2022 1:02:49 PM	✓ 1	0.006 s
DELETE FROM USERTABLE WHERE ROLLNO = 23		✓	0.006 s
Untitled - 1	Oct 10, 2022 1:00:11 PM	✓ 1	0.007 s
INSERT INTO USERTABLE VALUES ('VK',23,'VK@gamil.com','12034')		✓	0.007 s
Untitled - 1	Oct 10, 2022 12:59:55 PM	✗ 1	0.044 s

The screenshot shows the IBM Db2 on Cloud console interface. The top navigation bar includes tabs for Load Data, Load History, Tables, Views, Indexes, Aliases, MQTs, Sequences, and Application objects. The 'Tables' tab is selected, and the table 'DTP46044.USERTABLE' is displayed. The table has four columns: USERNAME, ROLLNO, EMAIL, and PASSWORD. A single row of data is visible: PARAMESH, 21, VK@gamil.com, and 1234. There are buttons for 'Back' and 'Export to CSV' in the top right corner of the table view.

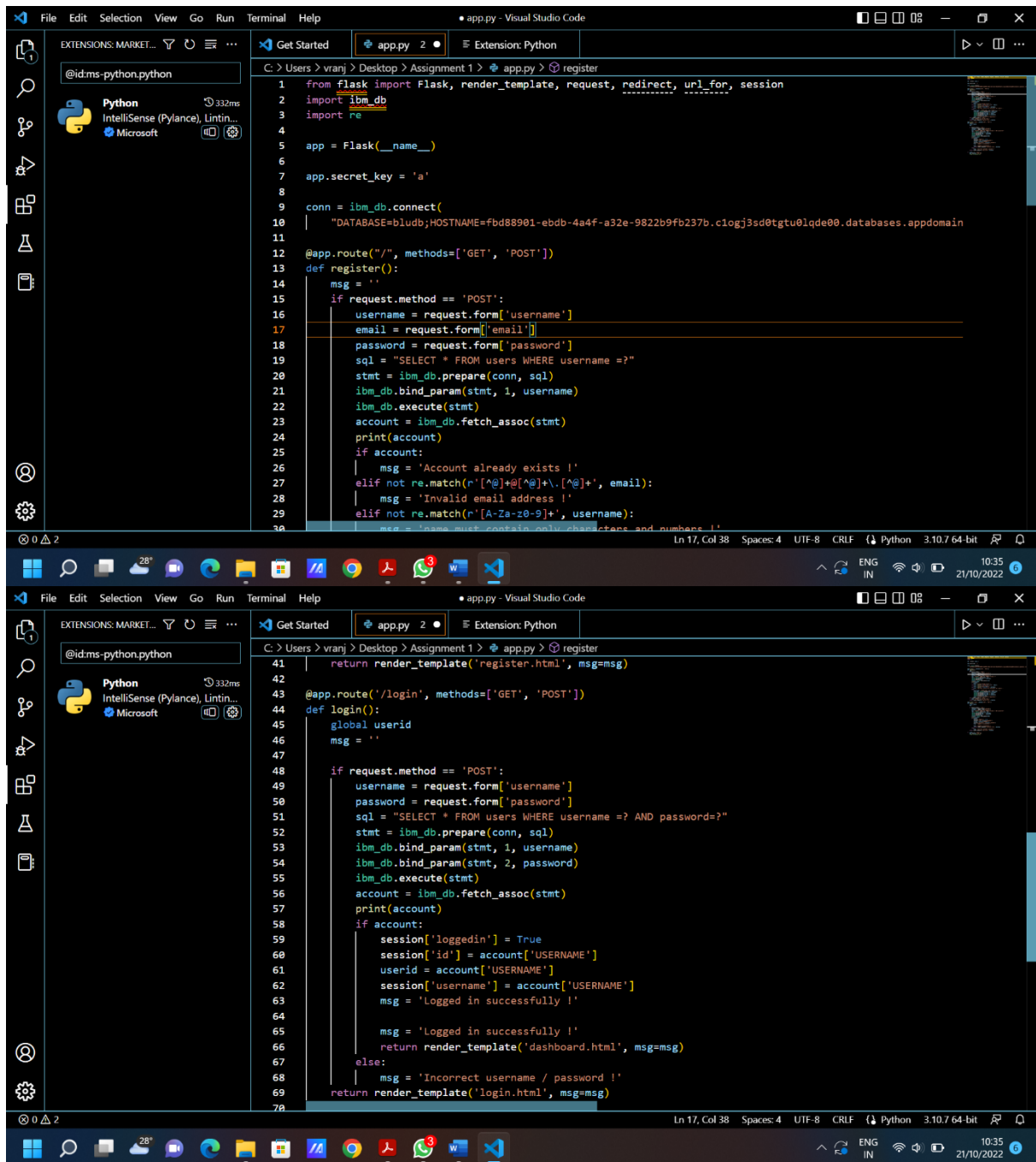
USERNAME	ROLLNO	EMAIL	PASSWORD
PARAMESH	21	VK@gamil.com	1234

Question 3: Connect python code to db2.

Question 4 contains 3

Question 4: Create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password. If the user is valid show the welcome page.

App.py



Register.html

Visual Studio Code interface showing the file explorer on the left with the Python extension selected. The main editor displays the Register.html file with the following CSS and HTML code:

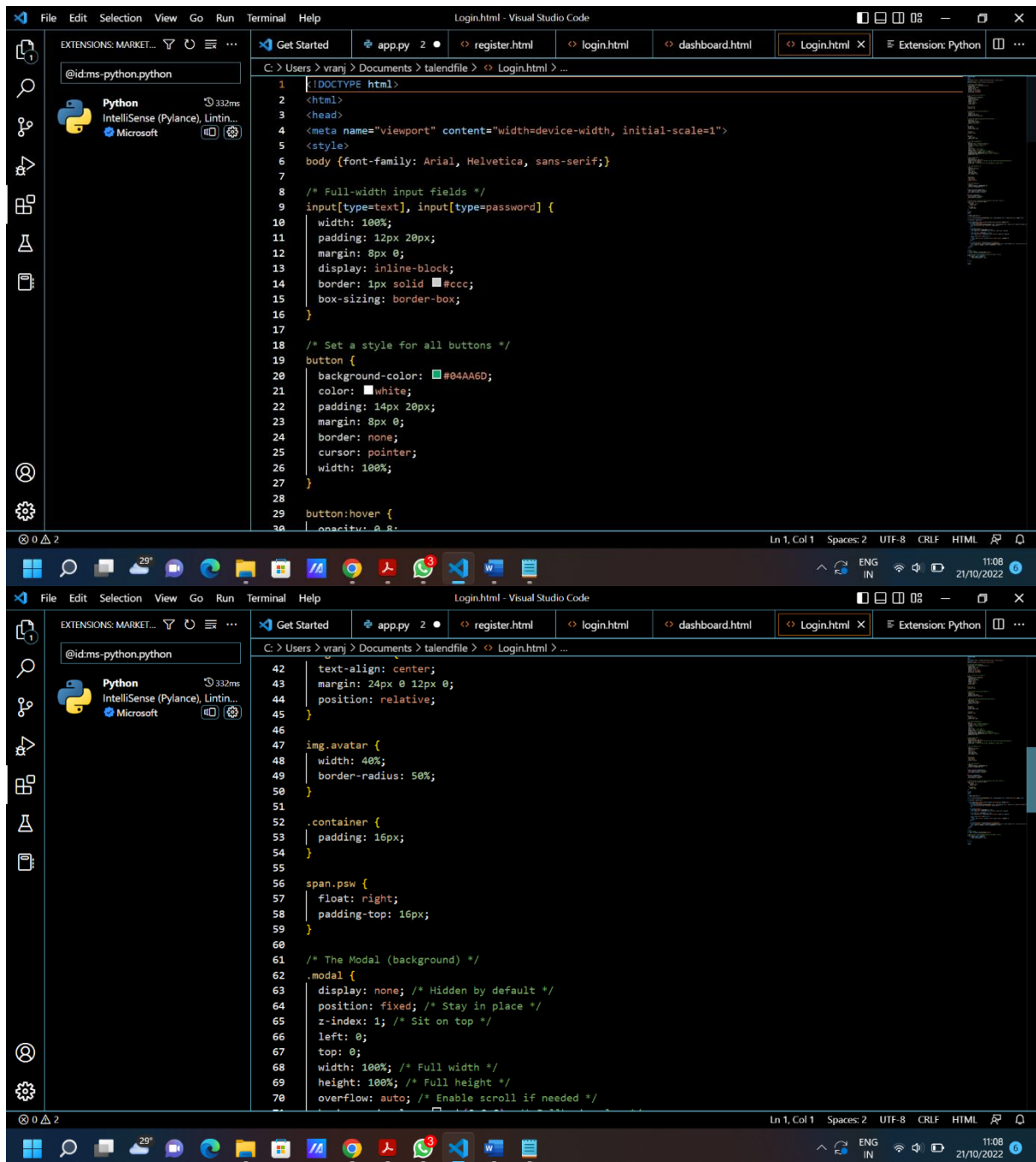
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta name="viewport" content="width=device-width, initial-scale=1">
5 <style>
6 body {
7   font-family: Arial, Helvetica, sans-serif;
8   background-color: black;
9 }
10
11 * {
12   box-sizing: border-box;
13 }
14
15 /* Add padding to containers */
16 .container {
17   padding: 16px;
18   background-color: white;
19 }
20
21 /* Full-width input fields */
22 input[type=text], input[type=password] {
23   width: 100%;
24   padding: 15px;
25   margin: 5px 0 22px 0;
26   display: inline-block;
27   border: none;
28   background: #f1f1f1;
29 }
30
```

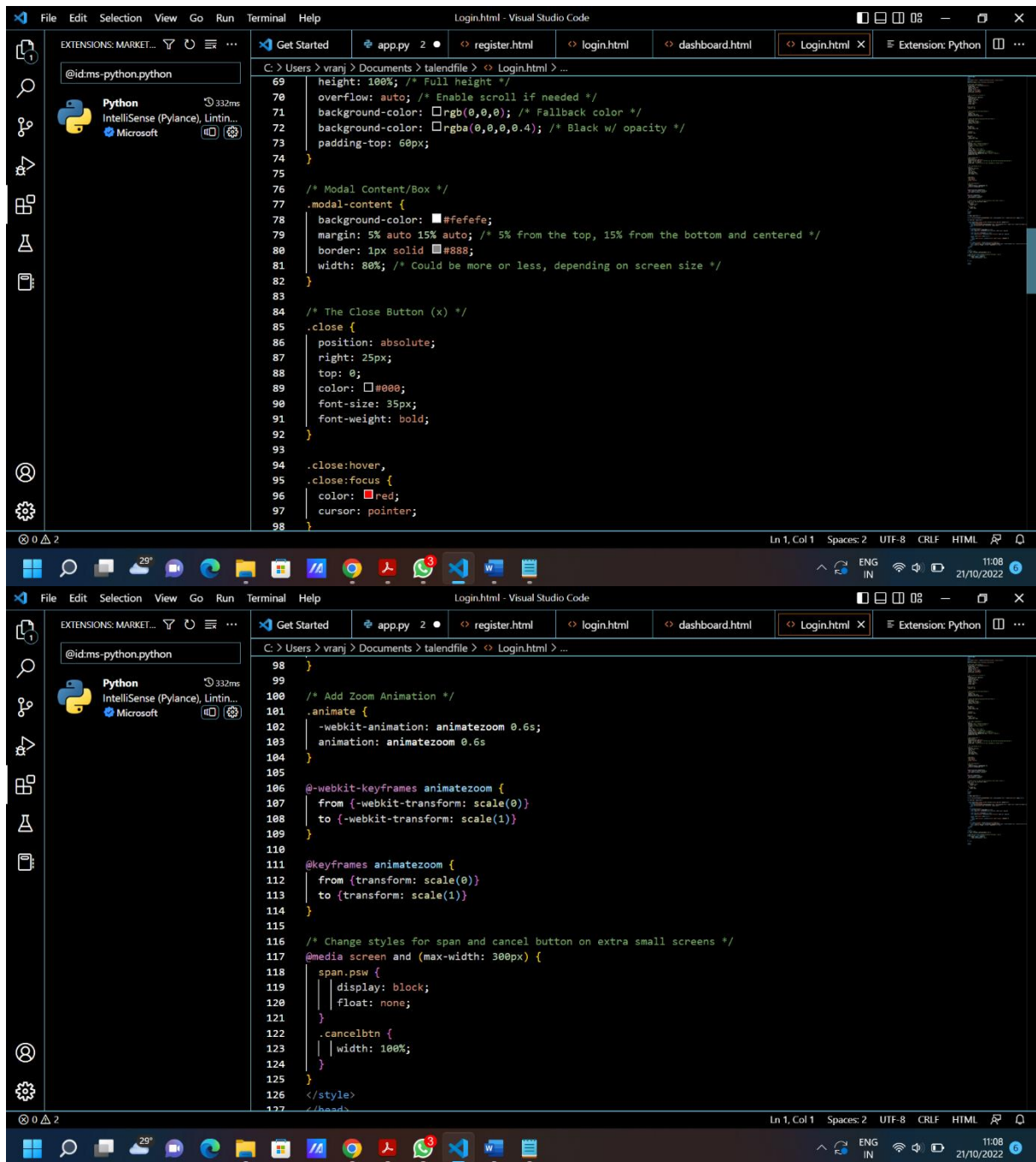
Visual Studio Code interface showing the file explorer on the left with the Python extension selected. The main editor displays the Register.html file with the following CSS and HTML code:

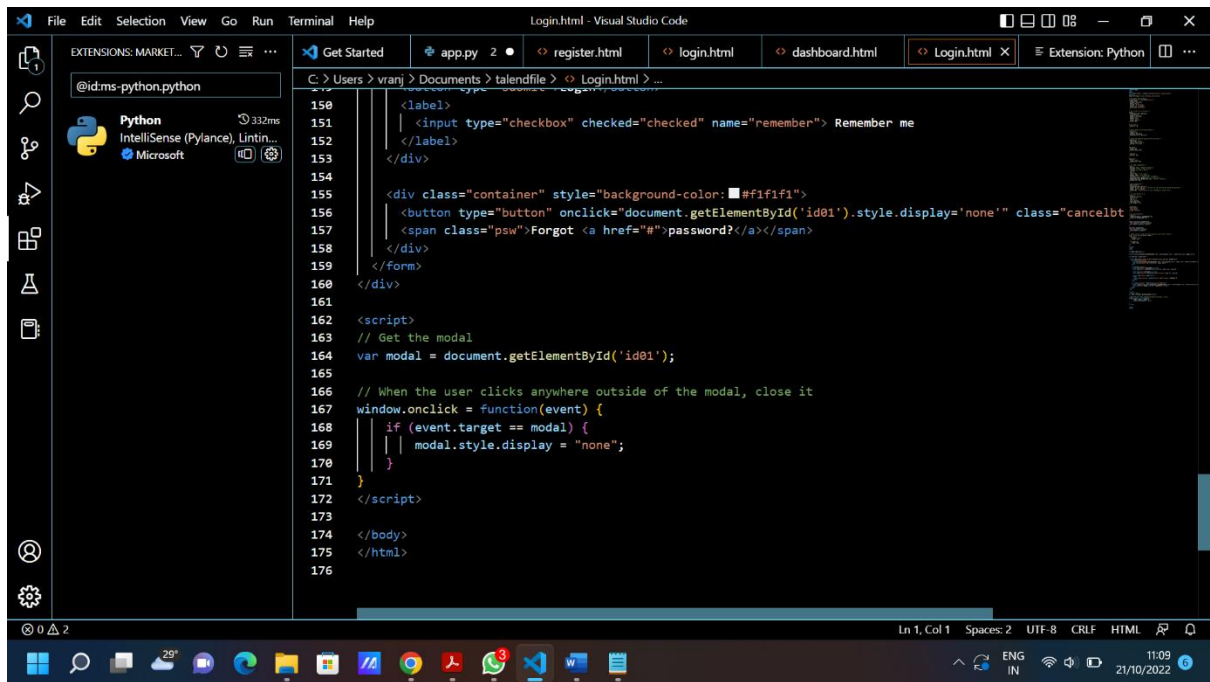
```
28   background: #f1f1f1;
29 }
30
31 input[type=text]:focus, input[type=password]:focus {
32   background-color: #ddd;
33   outline: none;
34 }
35
36 /* Overwrite default styles of hr */
37 hr {
38   border: 1px solid #f1f1f1;
39   margin-bottom: 25px;
40 }
41
42 /* Set a style for the submit button */
43 .registerbtn {
44   background-color: #84AA6D;
45   color: white;
46   padding: 16px 20px;
47   margin: 8px 0;
48   border: none;
49   cursor: pointer;
50   width: 100%;
51   opacity: 0.9;
52 }
53
54 .registerbtn:hover {
55   opacity: 1;
56 }
57
```

```
60 | color: dodgerblue;
61 | }
62 |
63 | /* Set a grey background color and center the text of the "sign in" section */
64 | .signin {
65 |   background-color: #f1f1f1;
66 |   text-align: center;
67 | }
68 | </style>
69 | </head>
70 | <body>
71 |
72 | <form action="/action_page.php">
73 |   <div class="container">
74 |     <h1>Register</h1>
75 |     <p>Please fill in this form to create an account.</p>
76 |     <hr>
77 |
78 |     <label for="email"><b>Email</b></label>
79 |     <input type="text" placeholder="Enter Email" name="email" id="email" required>
80 |
81 |     <label for="psw"><b>Password</b></label>
82 |     <input type="password" placeholder="Enter Password" name="psw" id="psw" required>
83 |
84 |     <label for="psw-repeat"><b>Repeat Password</b></label>
85 |     <input type="password" placeholder="Repeat Password" name="psw-repeat" id="psw-repeat" required>
86 |     <hr>
87 |
88 |     <button type="submit" class="registerbtn">Register</button>
89 |
```

Login.html







Dashboard.html

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta http-equiv="X-UA-Compatible" content="IE=edge">
7   <meta name="viewport" content="width=device-width, initial-scale=1.0">
8   <title>Home page</title>
9   <meta charset="UTF-8">
10
11 <!-- bootstrap css cdn -->
12 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
13   | integrity="sha384-Jckb8q361gNV9Kb8tSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anony
14 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.
15 <!-- css stylesheet -->
16 <link rel="stylesheet" href="/static/css/style.css">
17 <!-- font styles cdn -->
18 <link rel="preconnect" href="https://fonts.gstatic.com">
19 <link href="https://fonts.googleapis.com/css2?family=Alegreya&display=swap" rel="stylesheet">
20 <link href="https://fonts.googleapis.com/css2?family=Alegreya:wght@600&display=swap" rel="stylesheet">
21 </head>
22
23 <body>
24   <h1>WELCOME TO HOME PAGE</h1>
25   
27 </body>
28
29 </html>
```

Output:

Home po x W3Scho x W How To x dashbo x Register x Login.ht x IBM x Preparat x Assignm x +

File | C:/Users/vranj/Documents/talendfile/Register.html#

Register

Please fill in this form to create an account.

Email

Enter Email

Password

Enter Password

Repeat Password

Repeat Password

Register

Already have an account? [Sign in.](#)

Home po x W3Scho x W How To x dashbo x Register x Login.ht x IBM x Preparat x Assignm x +

File | C:/Users/vranj/Documents/talendfile/Login.html

Modal Login Form

Login

Avatar

Username

Enter Username

Password

Enter Password

Login

☒ Remember me

Cancel

Forgot [password?](#)