

## Assignment -2

### IBM CLOUD DB2

Assignment Date	24 September 2022
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Student Roll Number	722819104112
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. In the 'Tables' tab, a table named 'USERTABLE' is listed under the schema 'DTP46044'. The table definition is displayed on the right side of the console, showing the following columns and their properties:

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 visible at the bottom of the table definition panel.

The screenshot shows the IBM Db2 on Cloud console displaying the 'DTP46044.USERTABLE' table. The table structure is shown with the following columns: USERNAME, ROLLNUMBER, EMAIL, and PASSWORD. The table is currently empty, and a message 'There is no data here yet' is displayed below the column headers.

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

IBM Db2 on Cloud

Untitled - 1

Filter objects

DTP46044

```
1 INSERT INTO USERTABLE VALUES ('VK',21,'VK@gamil.com','1234')
```

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')			0.018 s

IBM Db2 on Cloud

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

DTP46044.USERTABLE

Export to CSV

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

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

SQL

```
1 DELETE FROM USERTABLE WHERE ROLLNO = 23 ;
```

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 web interface. The browser address bar displays a URL starting with 'https://bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com/'. The interface has a top navigation bar with tabs for 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is selected. On the left, there is a sidebar with icons for 'SQL', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The main content area shows a table named 'DTP46044.USERTABLE'. Above the table, there is a 'Back' button and an 'Export to CSV' button. The table has four columns: 'USERNAME', 'ROLLNO', 'EMAIL', and 'PASSWORD'. It contains one row of data: 'PARAMESH', '21', 'VK@gamil.com', and '1234'.

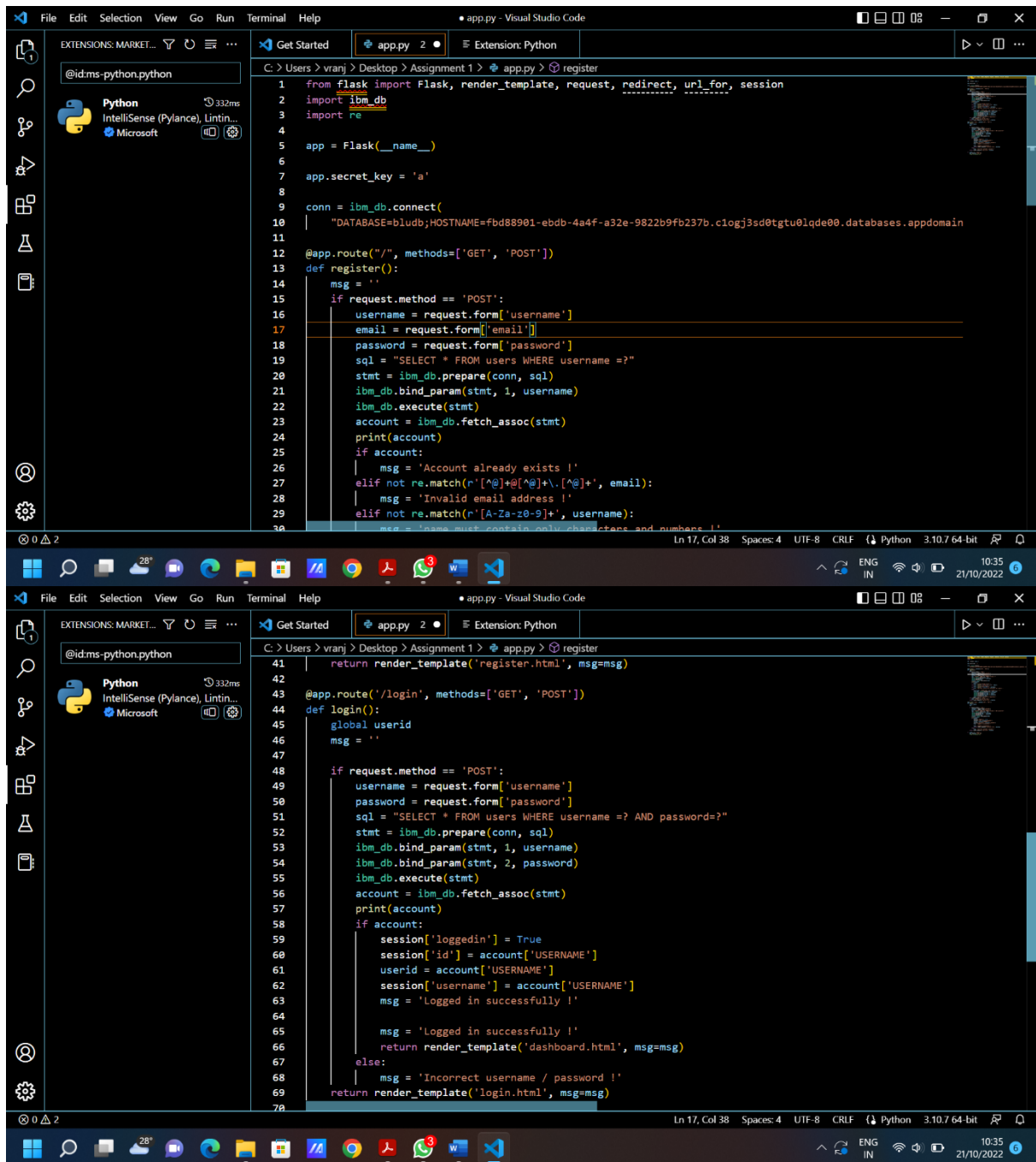
USERNAME	ROLLNO	EMAIL	PASSWORD
PARAMESH	21	VK@gamil.com	1234

**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:

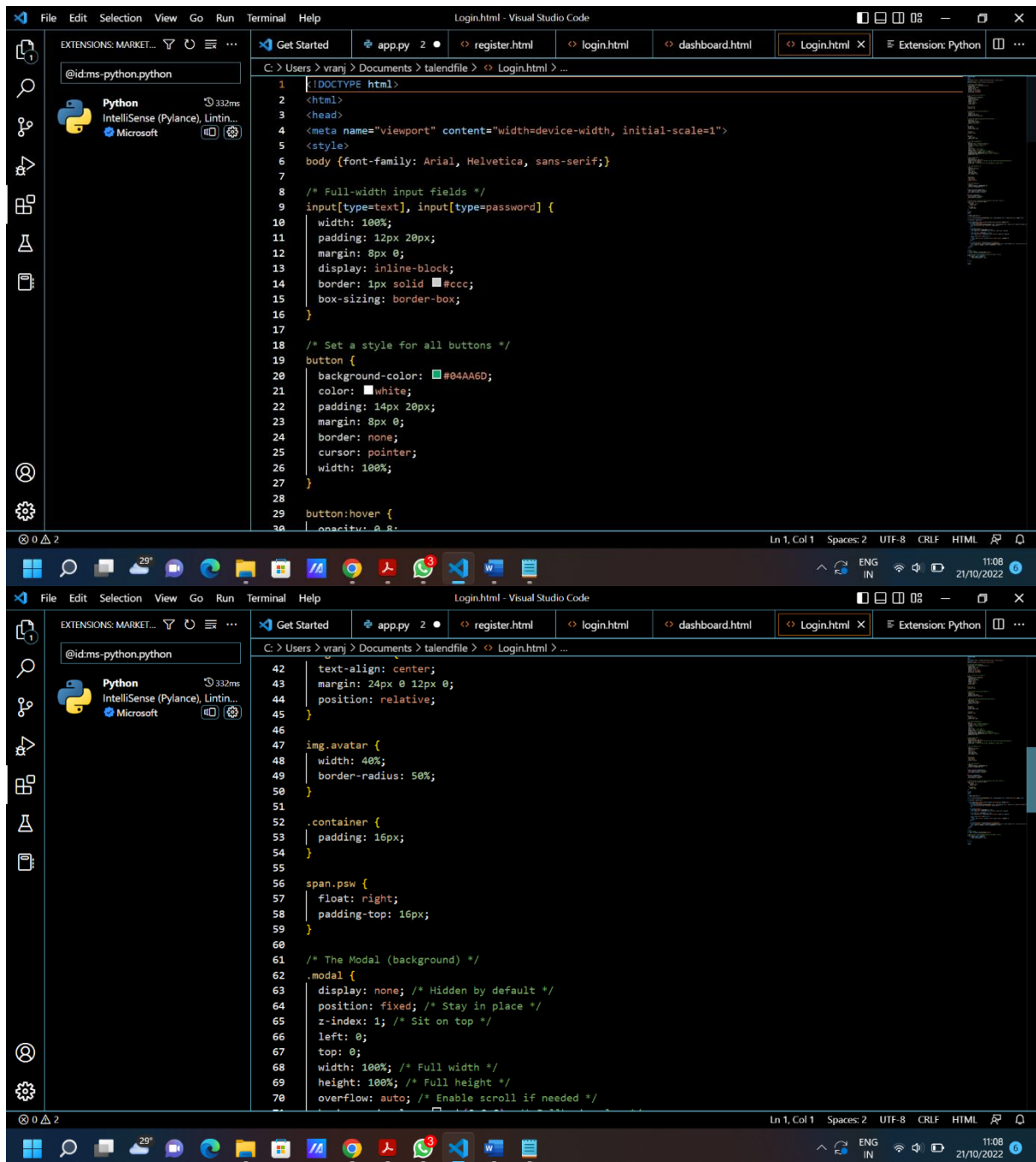
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta name="viewport" content="width=device-width, initial-scale=1">
5 <style>
6 body {
7   font-family: Arial, Helvetica, sans-serif;
8   background-color: black;
9 }
10
11 * {
12   box-sizing: border-box;
13 }
14
15 /* Add padding to containers */
16 .container {
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 }
```

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:

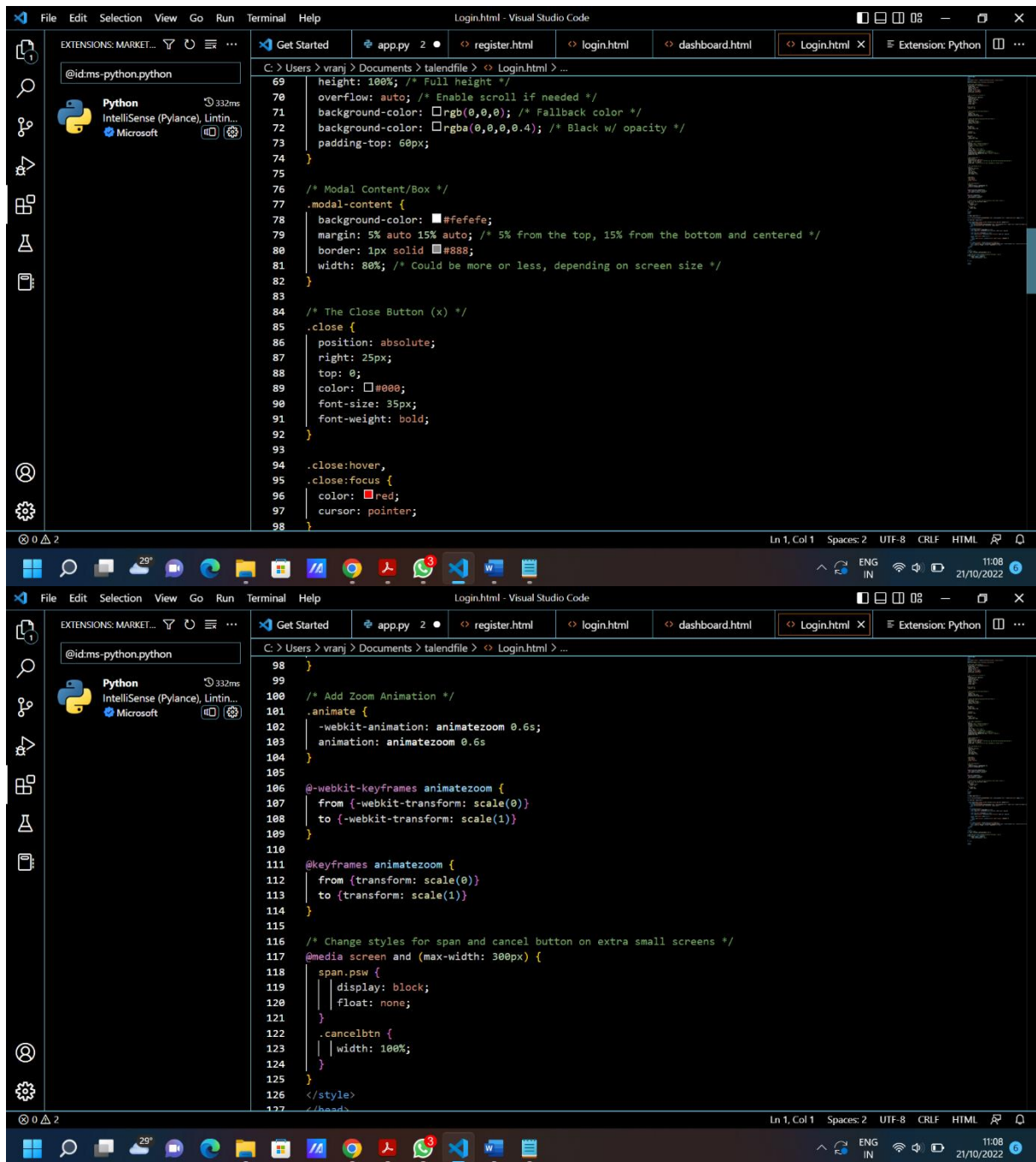
```
28   background: #f1f1f1;
29 }
30
31 input[type=text]:focus, input[type=password]:focus {
32   background-color: #ddd;
33   outline: none;
34 }
35
36 /* Overwrite default styles of hr */
37 hr {
38   border: 1px solid #f1f1f1;
39   margin-bottom: 25px;
40 }
41
42 /* Set a style for the submit button */
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
```

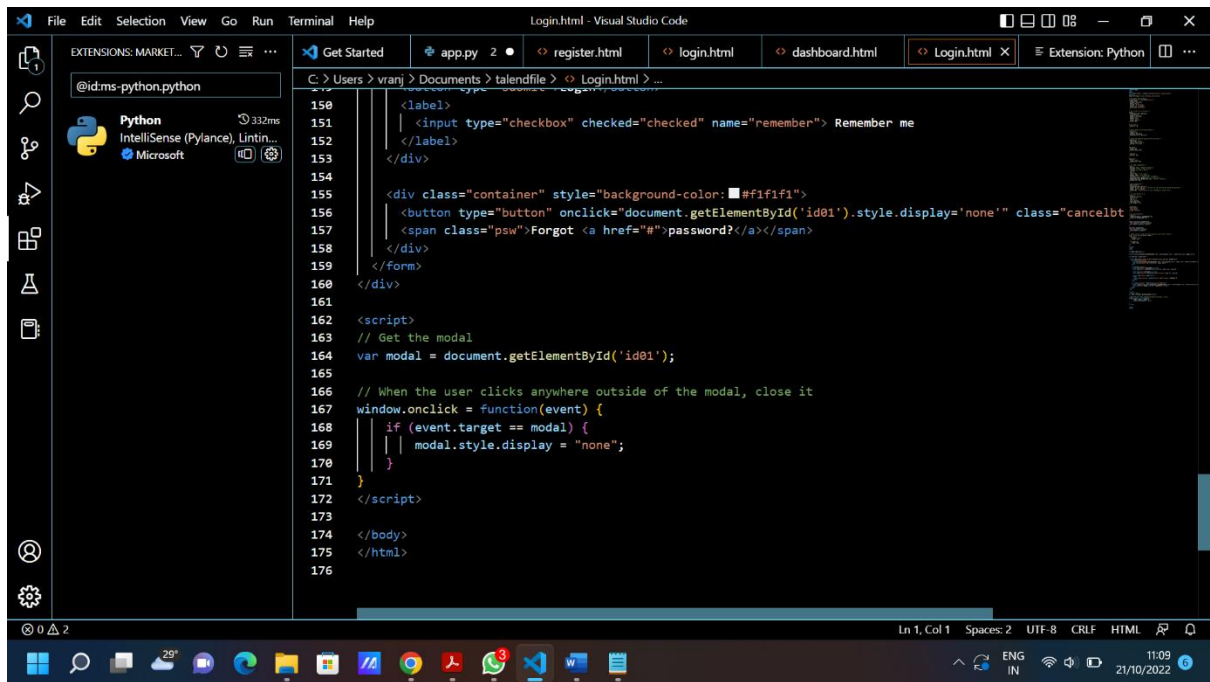
```
60 | color: dodgerblue;
61 | }
62 |
63 | /* Set a grey background color and center the text of the "sign in" section */
64 | .signin {
65 |   background-color: #f1f1f1;
66 |   text-align: center;
67 | }
68 | </style>
69 | </head>
70 | <body>
71 |
72 | <form action="/action_page.php">
73 |   <div 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-Jckb8q361gNV9Kb8tS8NjP5L0n8PARn9HuZOnIxN0hoP+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?](#)