

## Assignment -2

### IBM CLOUD DB2

Assignment Date	24 September 2022
Project Name	Plasma Donar Application
Student Name	Selwin
Student Roll Number	722819104134
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. In the 'Tables' tab, the 'USERTABLE' table is selected under the 'DTP46044' schema. The 'Table definition' pane on the right displays the table structure with 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 pane.

The screenshot shows the IBM Db2 on Cloud console interface for the 'DTP46044.USERTABLE' table. The table structure is displayed with the following columns: USERNAME, ROLLNUMBER, EMAIL, and PASSWORD. Below the column headers, there is a message: "There is no data here yet" with a question mark icon.

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

The screenshot shows the IBM Db2 on Cloud console interface. On the left, the 'Data objects' tab is selected, showing a database named 'DTP46044'. The main area displays a script editor with the following SQL statement:

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

The script has been executed, and the 'History' tab is visible below the editor. It shows a single execution record:

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

The screenshot shows the IBM Db2 on Cloud console interface, specifically the 'Tables' tab. The table 'DTP46044.USERTABLE' is selected. The table structure is displayed as follows:

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

The 'Export to CSV' button is visible in the top right corner of the table view.

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 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 data row with the values 'PARAMESH', '21', 'VK@gamil.com', and '1234'.

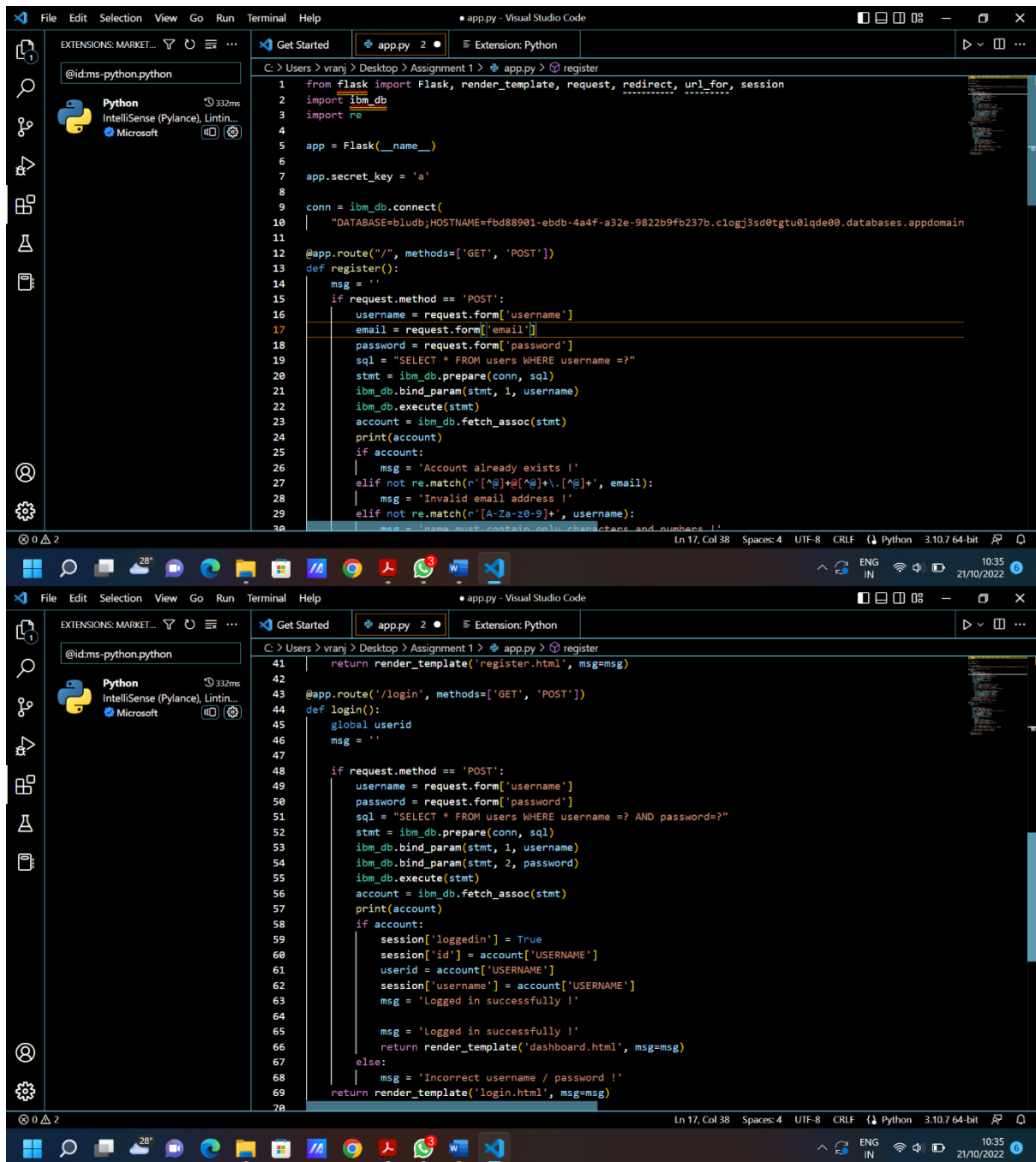
USERNAME	ROLLNO	EMAIL	PASSWORD
PARAMESH	21	VK@gamil.com	1234

**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 installed. The main editor displays the Register.html file with the following CSS and HTML code:

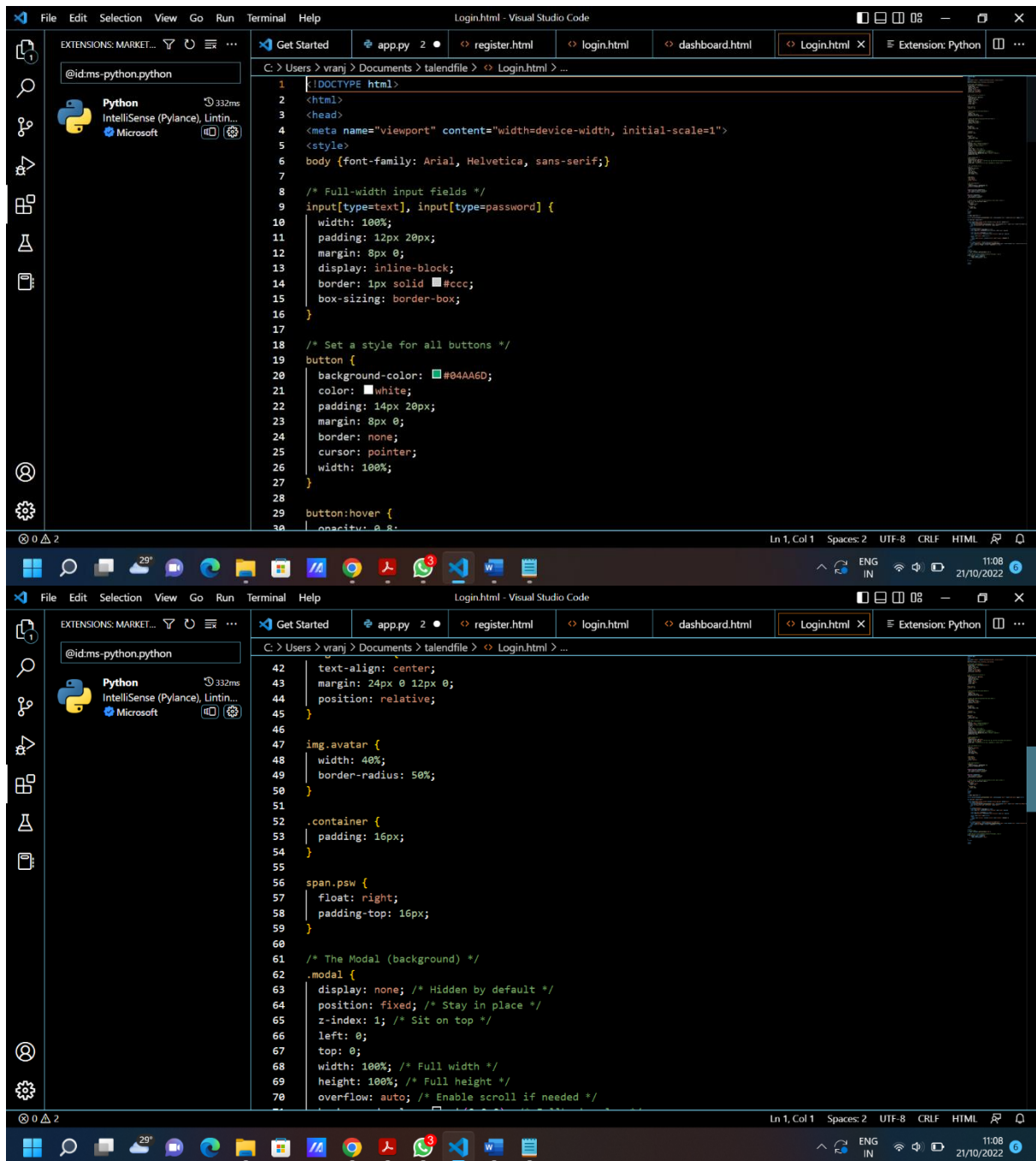
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta name="viewport" content="width=device-width, initial-scale=1">
5 <style>
6 body {
7   font-family: Arial, Helvetica, sans-serif;
8   background-color: black;
9 }
10
11 * {
12   box-sizing: border-box;
13 }
14
15 /* Add padding to containers */
16 .container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

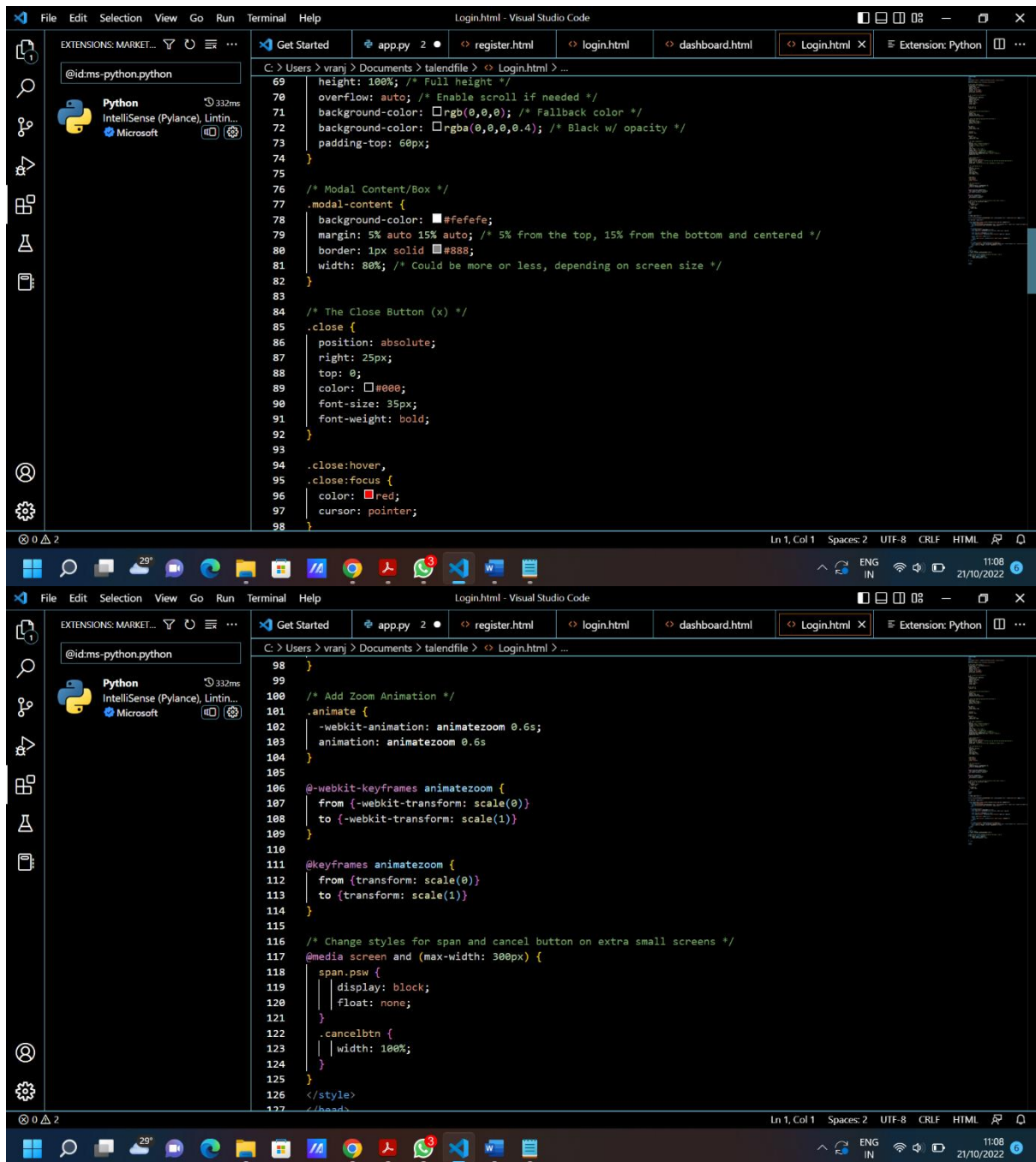
```
28   background: #f1f1f1;
29 }
30
31 input[type=text]:focus, input[type=password]:focus {
32   background-color: #ddd;
33   outline: none;
34 }
35
36 /* Overwrite default styles of hr */
37 hr {
38   border: 1px solid #f1f1f1;
39   margin-bottom: 25px;
40 }
41
42 /* Set a style for the submit button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

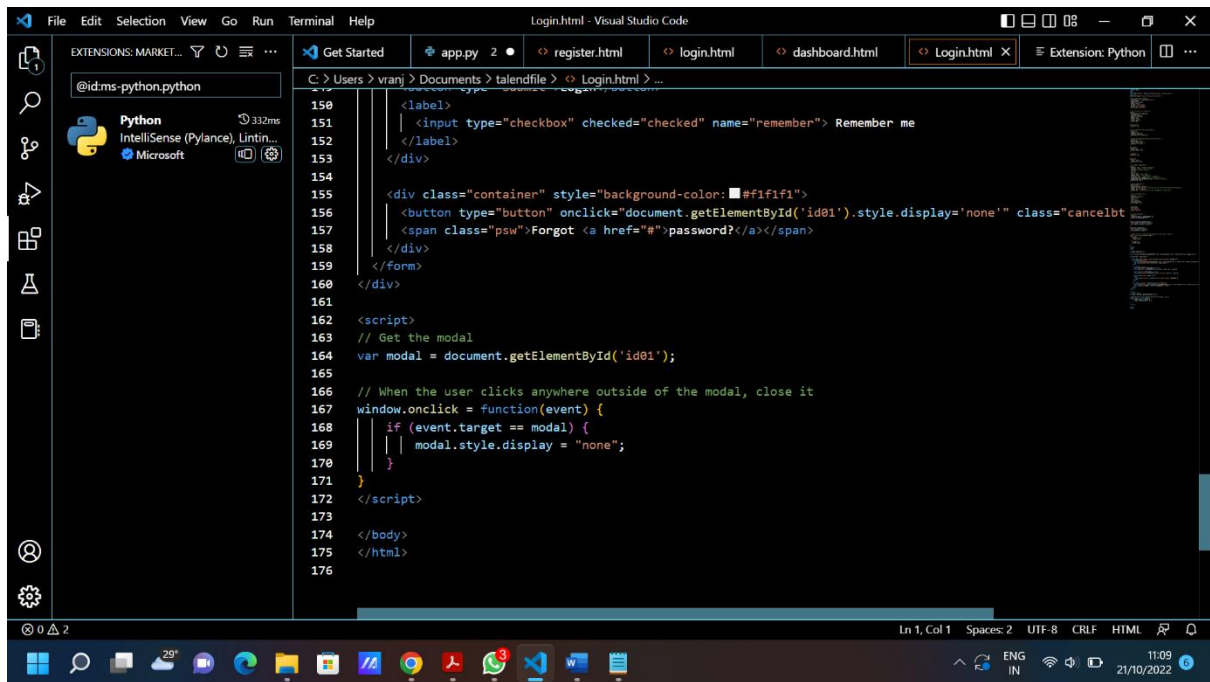
```
60 | color: dodgerblue;
61 | }
62 |
63 | /* Set a grey background color and center the text of the "sign in" section */
64 | .signin {
65 |   background-color: #f1f1f1;
66 |   text-align: center;
67 | }
68 | </style>
69 | </head>
70 | <body>
71 |
72 | <form action="/action_page.php">
73 |   <div 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-JcKb8q3iqJ61gV9K9b8thSsNP8PARn9HuZOnIxN0hoP+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   
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?](#)