

## Assignment -2

### IBM CLOUD DB2

Assignment Date	24 September 2022
Project Name	Plasma Donar Application
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Student Roll Number	722819104099
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 active, displaying a list of tables in the 'DTP46044' schema. The 'USERTABLE' is selected. The 'Table definition' pane on the right shows 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. A message states 'There is no data here yet'.

## 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' pane shows a database named 'DTP46044'. The main editor area shows a SQL script titled '\*Untitled - 1' with the following content:

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

The script has been executed, and the 'History' pane at the bottom shows the execution details:

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 displaying the contents of the 'DTP46044.USERTABLE' table. The table has four columns: USERNAME, ROLLNO, EMAIL, and PASSWORD. The data is as follows:

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

```
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 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@gmail.com, and 1234. There are buttons for 'Back' and 'Export to CSV' in the top right corner of the table view.

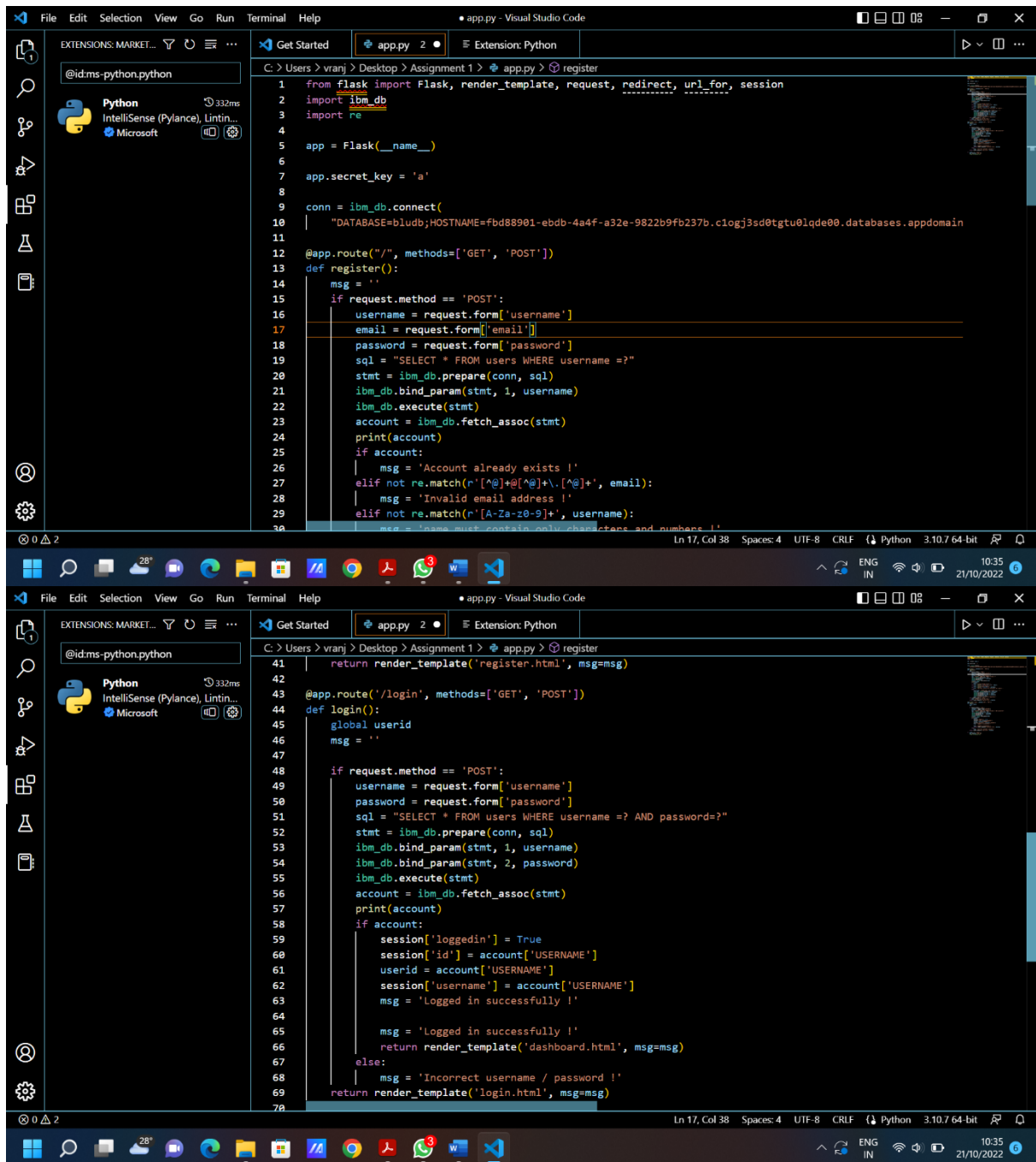
USERNAME	ROLLNO	EMAIL	PASSWORD
PARAMESH	21	VK@gmail.com	1234

**Question 3:** Connect python code to db2.

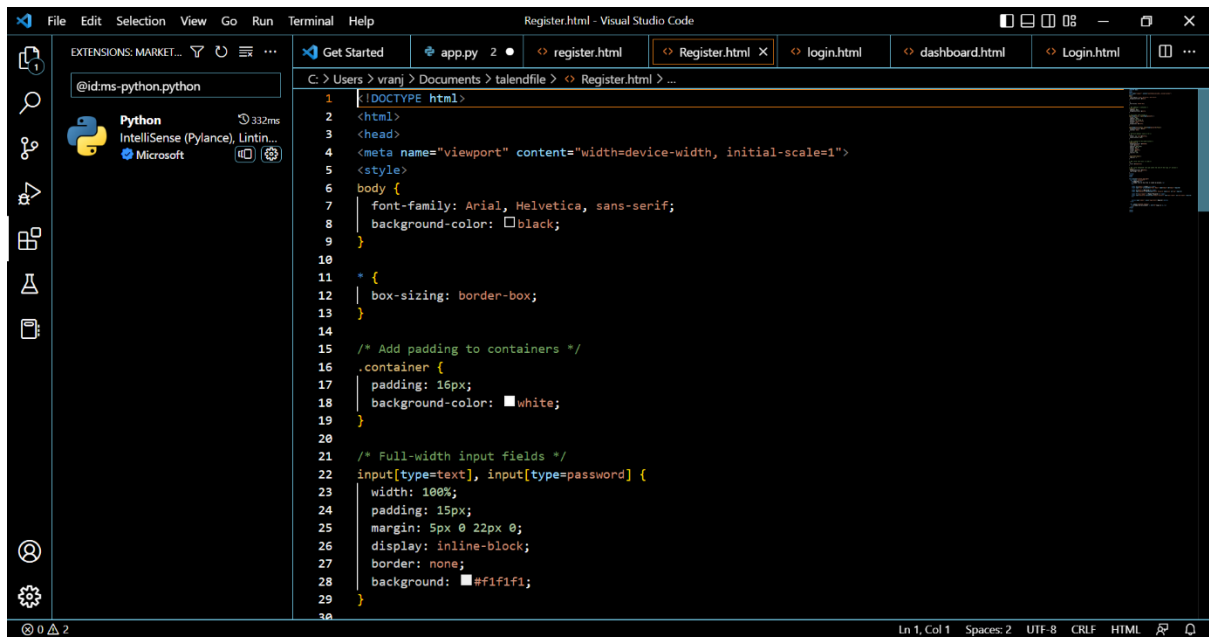
Question 4 contains 3

**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.

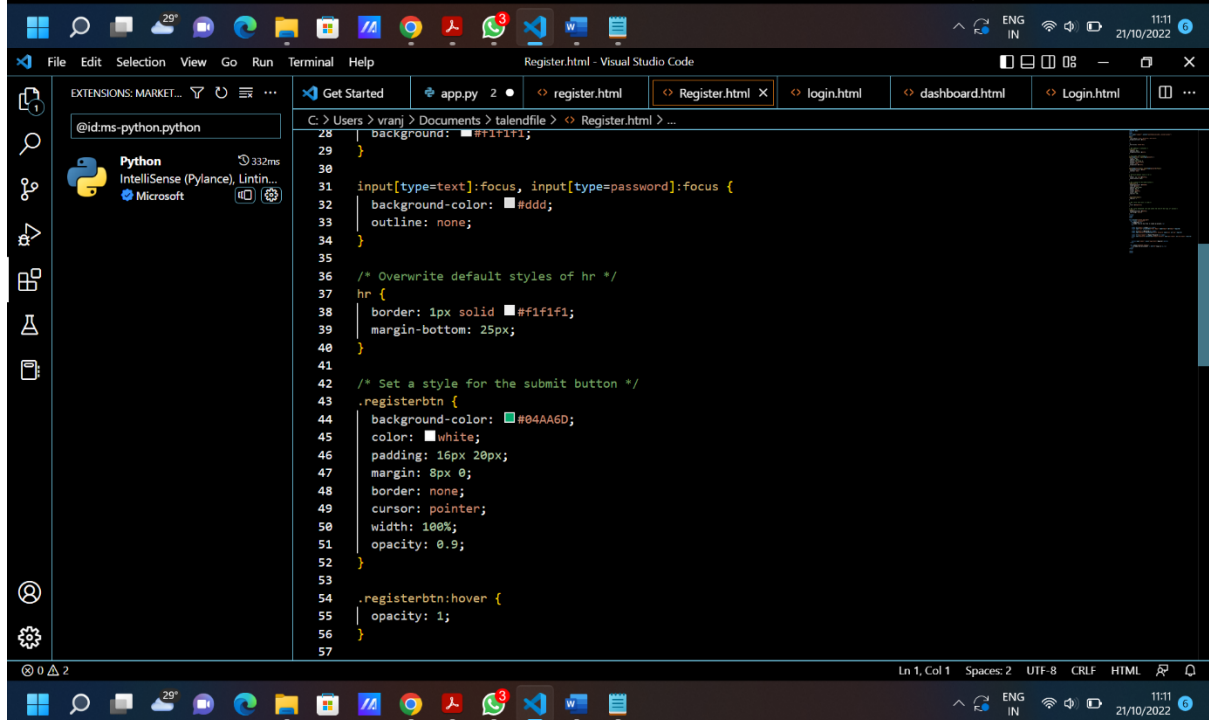
**App.py**



Register.html



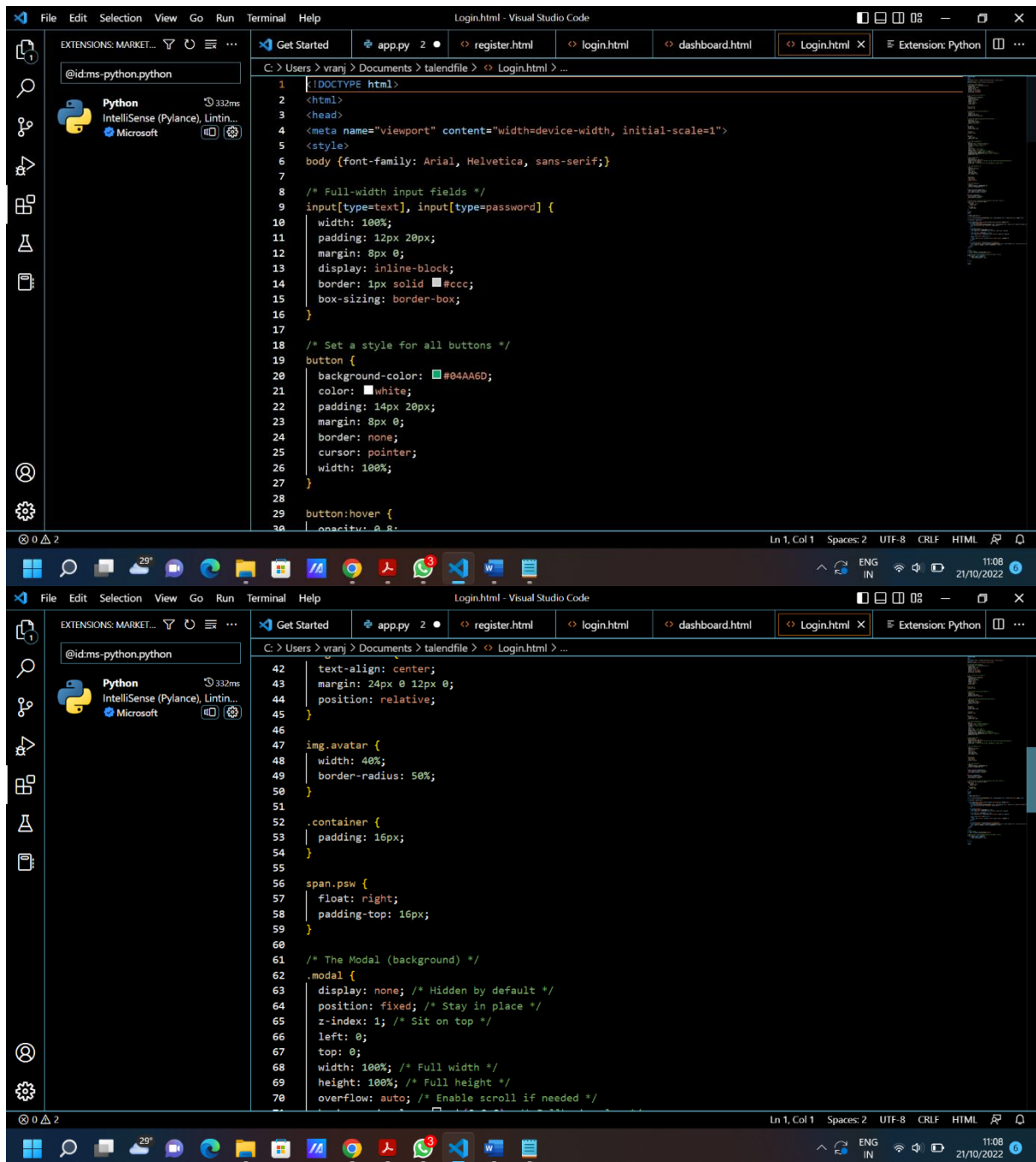
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta name="viewport" content="width=device-width, initial-scale=1">
5 <style>
6 body {
7   font-family: Arial, Helvetica, sans-serif;
8   background-color: black;
9 }
10
11 * {
12   box-sizing: border-box;
13 }
14
15 /* Add padding to containers */
16 .container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



```
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: #04AA6D;
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



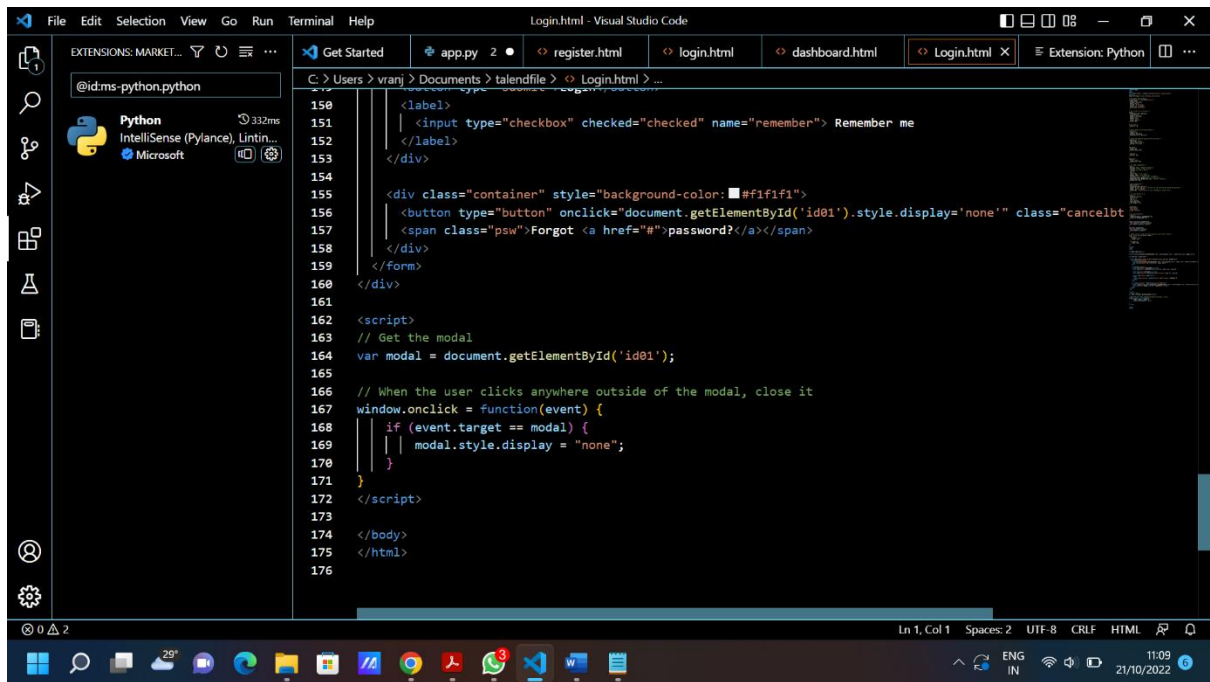


This screenshot shows the Visual Studio Code editor with the file `Login.html` open. The editor displays CSS code for a login form. The left sidebar shows the 'EXTENSIONS: MARKET...' view with the Python extension installed. The top bar shows the file explorer with `register.html`, `login.html`, and `dashboard.html`. The code in the editor is as follows:

```
69 height: 100%; /* Full height */
70 overflow: auto; /* Enable scroll if needed */
71 background-color: rgb(0,0,0); /* Fallback color */
72 background-color: rgba(0,0,0,0.4); /* Black w/ opacity */
73 padding-top: 60px;
74 }
75
76 /* Modal Content/Box */
77 .modal-content {
78   background-color: #fefefe;
79   margin: 5% auto 15% auto; /* 5% from the top, 15% from the bottom and centered */
80   border: 1px solid #888;
81   width: 80%; /* Could be more or less, depending on screen size */
82 }
83
84 /* The Close Button (x) */
85 .close {
86   position: absolute;
87   right: 25px;
88   top: 0;
89   color: #000;
90   font-size: 35px;
91   font-weight: bold;
92 }
93
94 .close:hover,
95 .close:focus {
96   color: red;
97   cursor: pointer;
98 }
```

This screenshot shows the Visual Studio Code editor with the file `Login.html` open. The editor displays CSS code for a login form. The left sidebar shows the 'EXTENSIONS: MARKET...' view with the Python extension installed. The top bar shows the file explorer with `register.html`, `login.html`, and `dashboard.html`. The code in the editor is as follows:

```
98 }
99
100 /* Add Zoom Animation */
101 .animate {
102   -webkit-animation: animatezoom 0.6s;
103   animation: animatezoom 0.6s
104 }
105
106 @-webkit-keyframes animatezoom {
107   from {-webkit-transform: scale(0)}
108   to {-webkit-transform: scale(1)}
109 }
110
111 @keyframes animatezoom {
112   from {transform: scale(0)}
113   to {transform: scale(1)}
114 }
115
116 /* Change styles for span and cancel button on extra small screens */
117 @media screen and (max-width: 300px) {
118   span.psw {
119     display: block;
120     float: none;
121   }
122   .cancelbtn {
123     width: 100%;
124   }
125 }
126 </style>
127 </head>
```



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?](#)