

## Assignment -2

### IBM CLOUD DB2

Assignment Date	24 September 2022
Student Name	Madhavan A
Student Roll Number	722819104071
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, displaying a list of tables. The table 'USERTABLE' is highlighted, and its definition is shown on the right. The table has four columns: USERNAME (CHAR, 5, nullable), ROLLNUMBER (INTEGER, nullable), EMAIL (CHAR, 5, nullable), and PASSWORD (VARCHAR, 32, nullable). A 'View data' button is present at the bottom of the table definition pane.

The screenshot shows the IBM Db2 on Cloud console interface. The 'DTP46044.USERTABLE' is selected, and the 'View data' button has been clicked. The table structure is visible with columns: USERNAME, ROLLNUMBER, EMAIL, and PASSWORD. The data area is empty, displaying a message: 'There is no data here yet'.

**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

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 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, displaying the table 'DTP46044.USERTABLE'. A 'Back' button is located in the top right corner of the table view. Below the table name, there is an 'Export to CSV' button. The table structure is as follows:

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

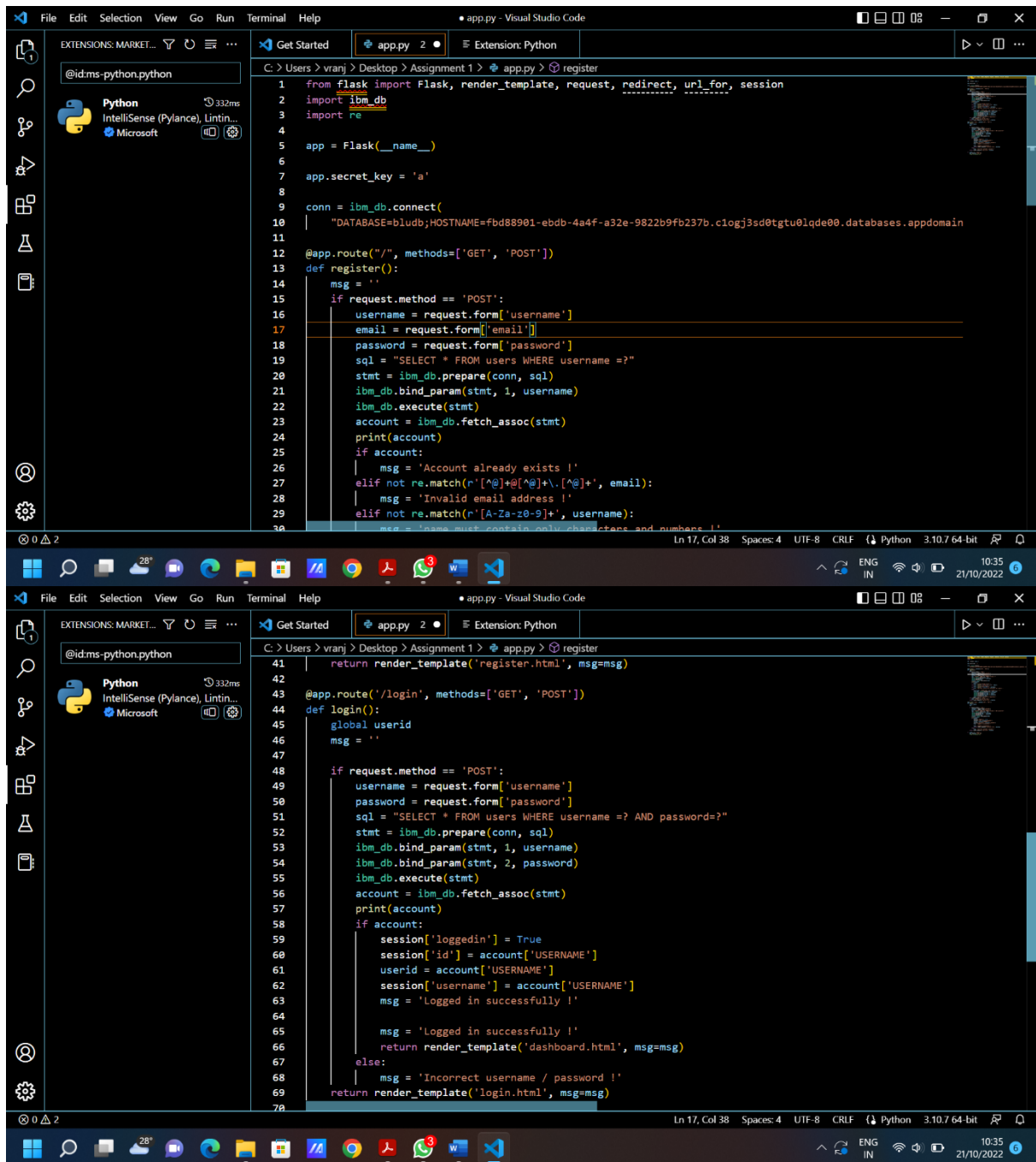
The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 12:56 on 10-10-2022.

**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.

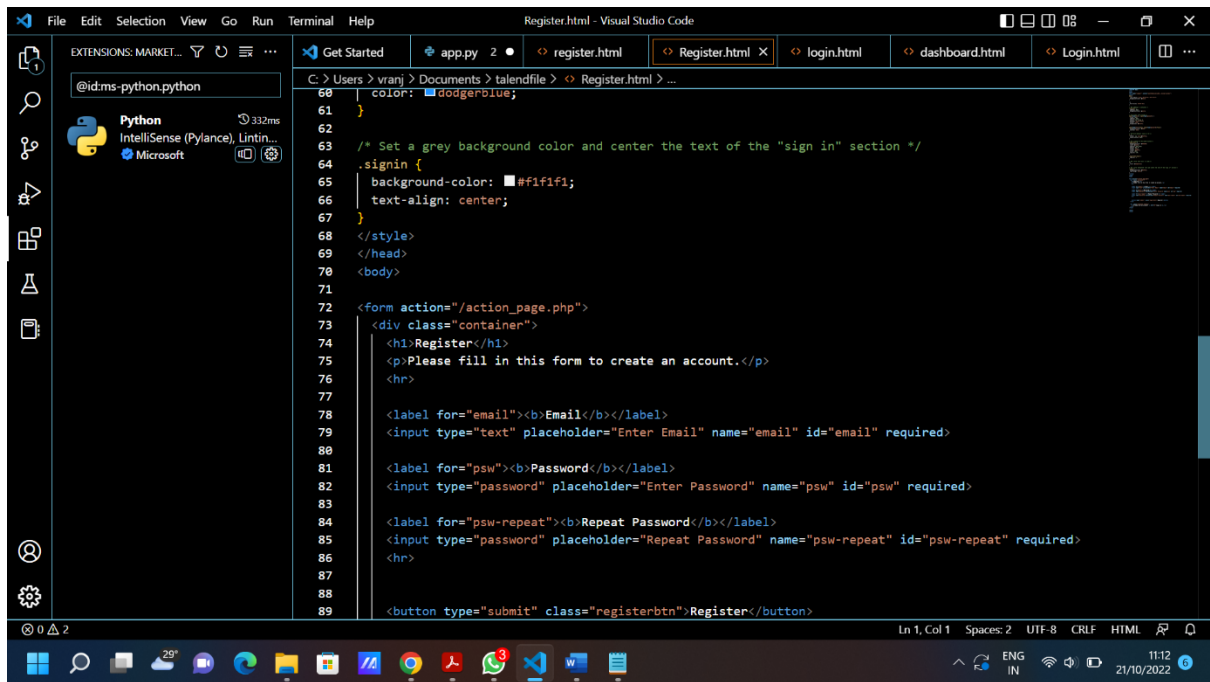
**App.py**



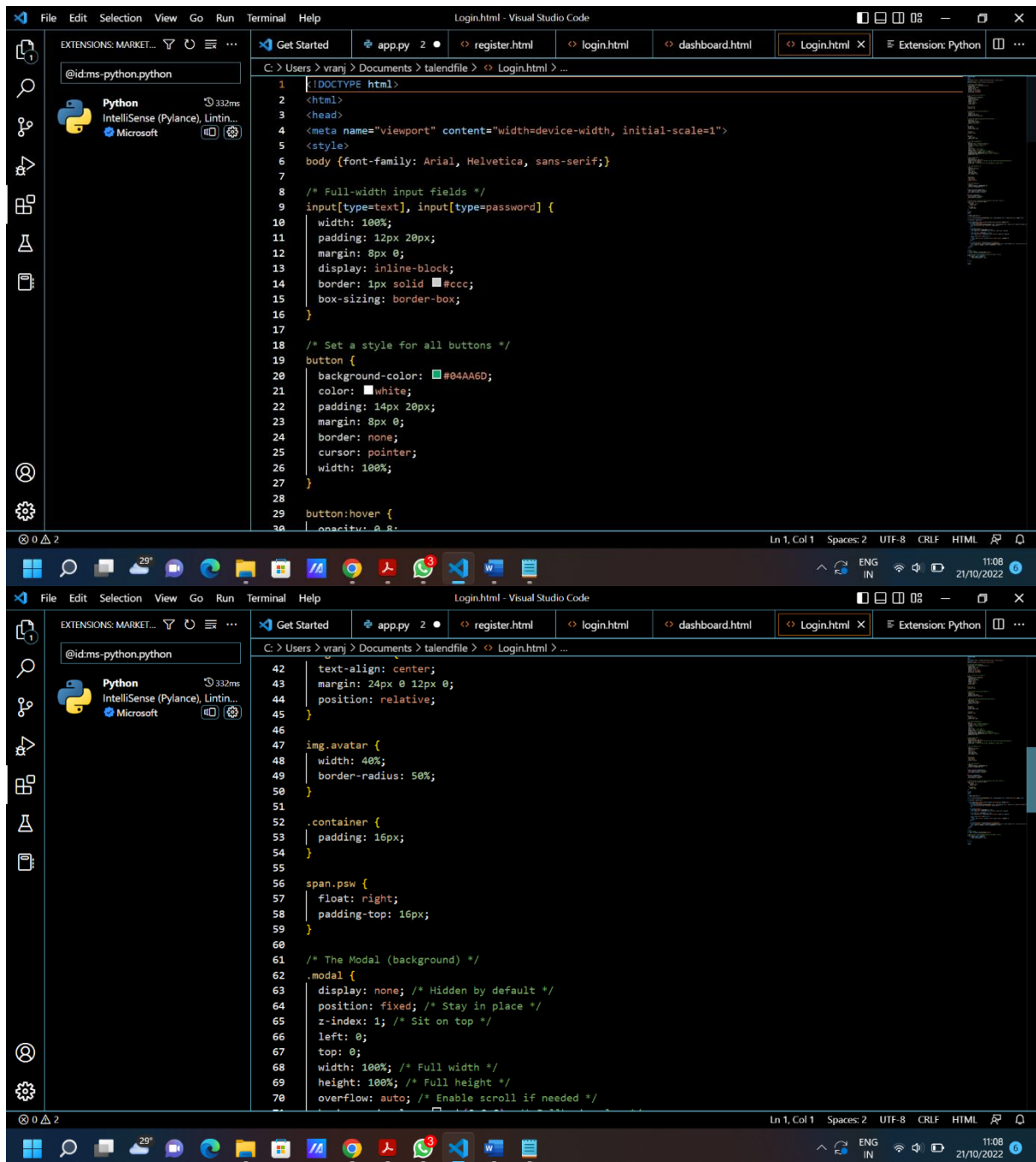
Register.html

```
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
```

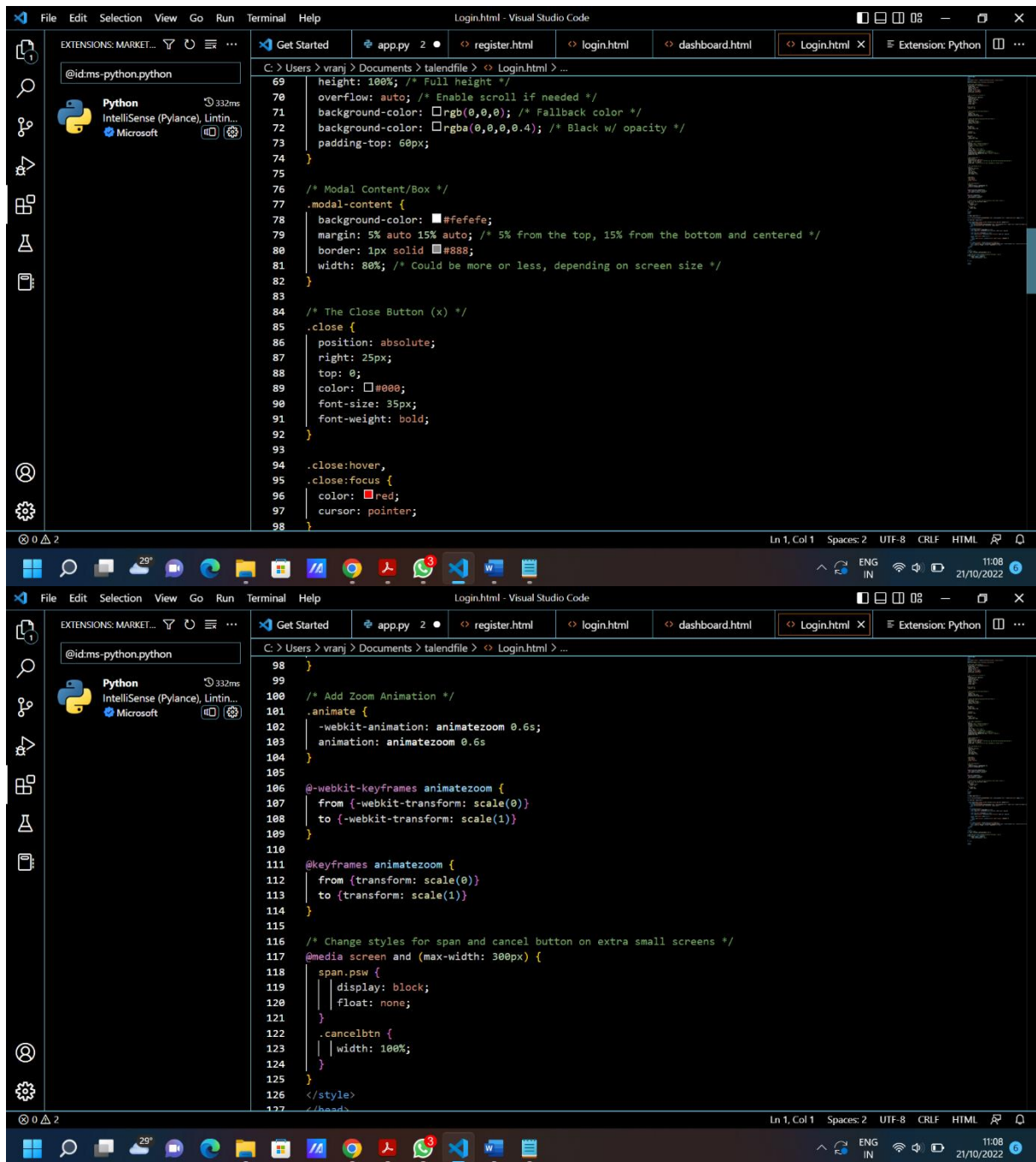
```
28   background: #f1f1f1;
29 }
30
31 input[type=text]:focus, input[type=password]:focus {
32   background-color: #ddd;
33   outline: none;
34 }
35
36 /* Overwrite default styles of hr */
37 hr {
38   border: 1px solid #f1f1f1;
39   margin-bottom: 25px;
40 }
41
42 /* Set a style for the submit button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

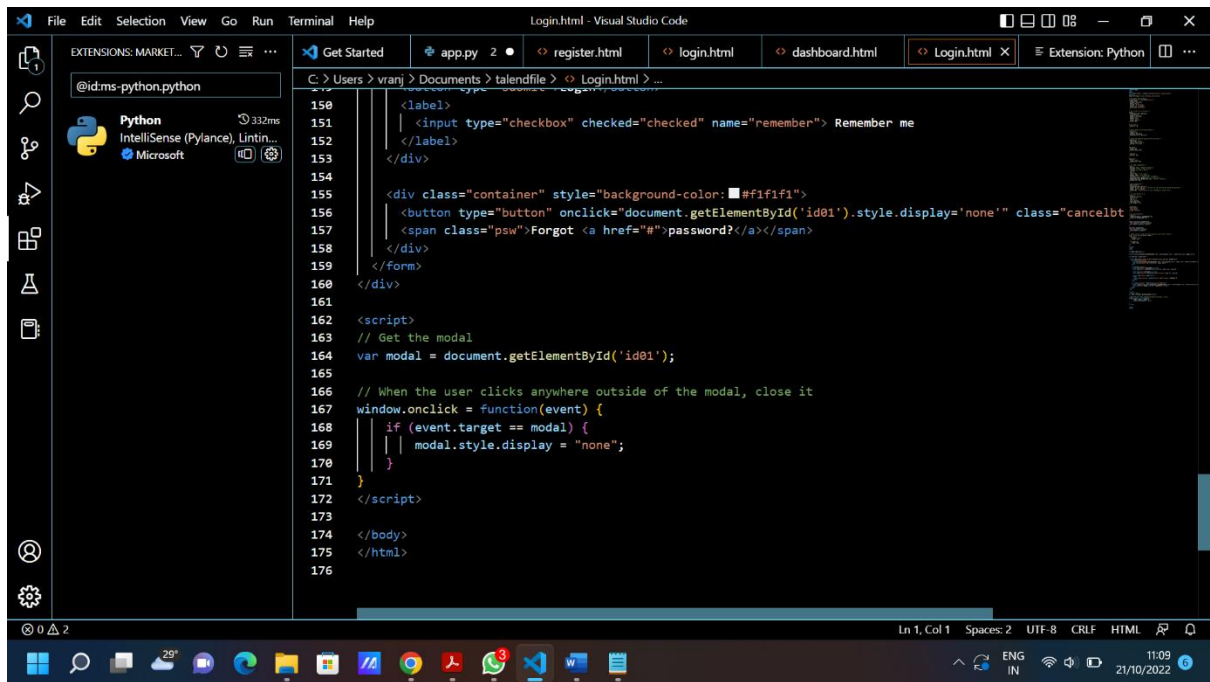


Login.html









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?](#)