

Assignment -2

IBM CLOUD DB2

Assignment Date	24 September 2022
Student Name	Sanjay Kumar S
Student Roll Number	722819104126
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, showing its schema 'DTP46044'. The 'Table definition' pane on the right provides details about the table structure:

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 with the 'DTP46044.USERTABLE' data view selected. The table header displays the columns: USERNAME, ROLLNUMBER, EMAIL, and PASSWORD. The data area is empty, showing 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

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 structure is as follows:

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

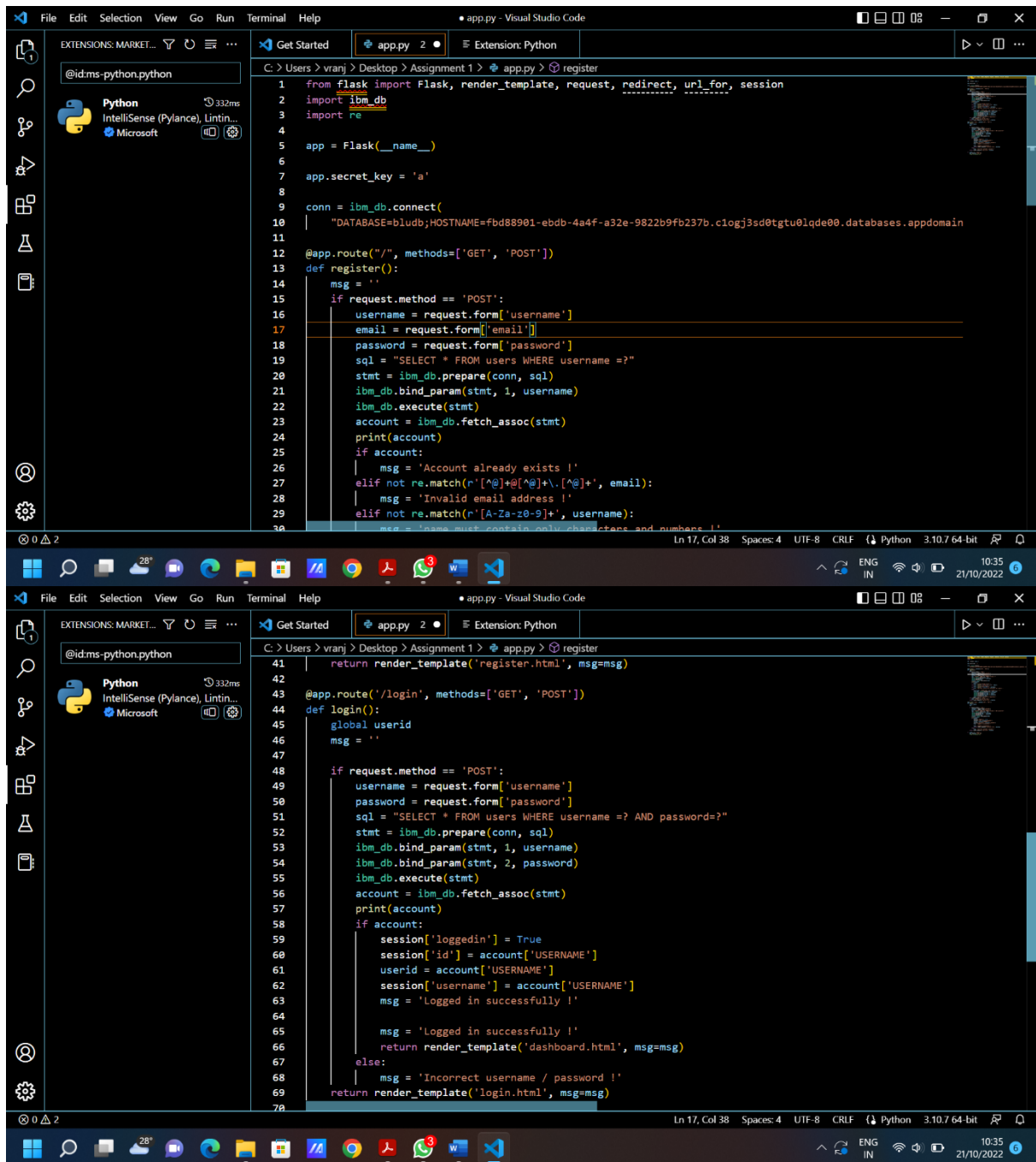
Additional interface elements include a 'Back' button, an 'Export to CSV' button, and a sidebar with icons for SQL, Tables, Views, Indexes, Aliases, MQTs, Sequences, and Application objects. The bottom status bar shows the system time as 12:56 on 10-10-2022.

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



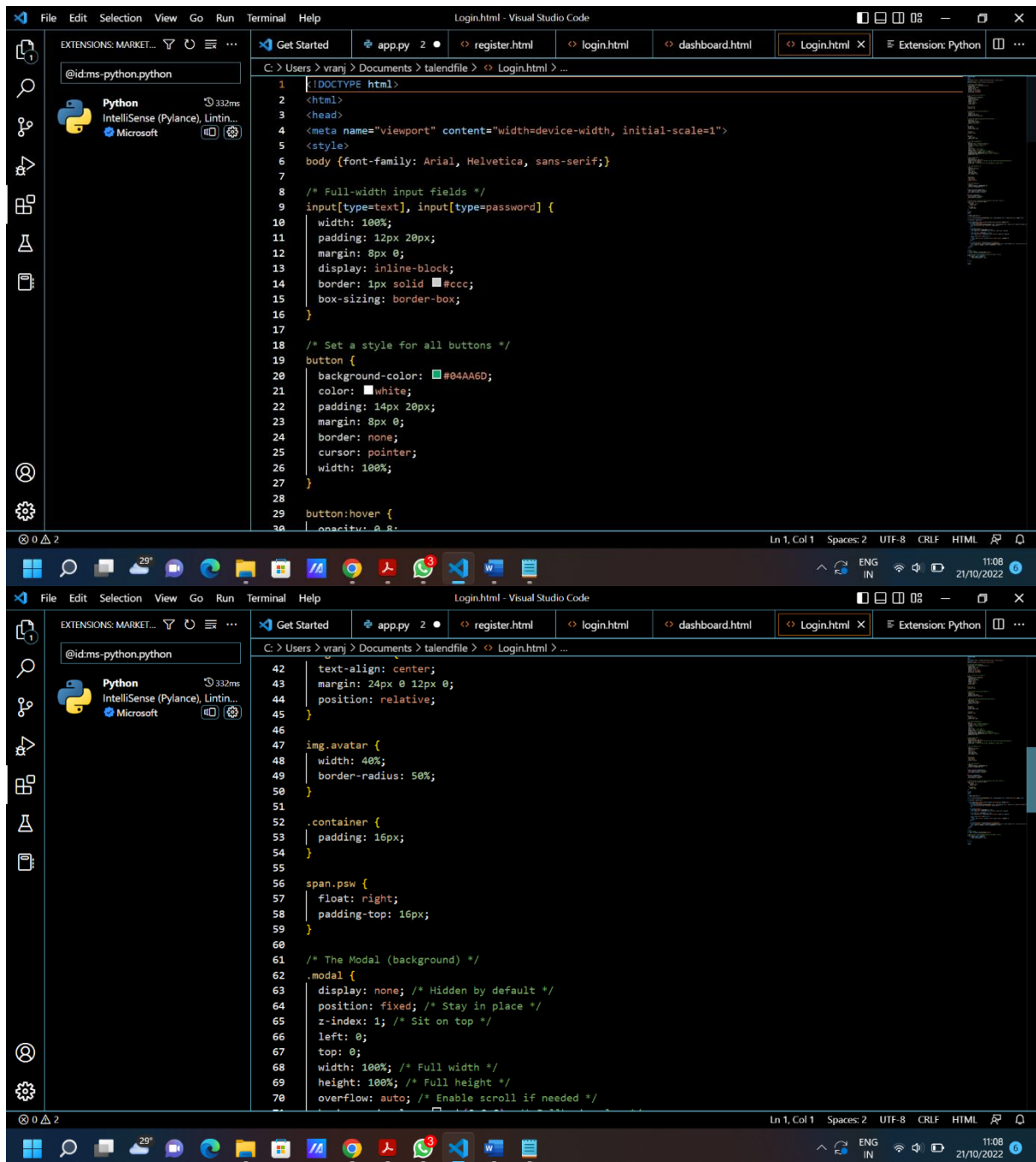
Register.html

```
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-color: #f1f1f1;
29 }
30
```

```
28   background-color: #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

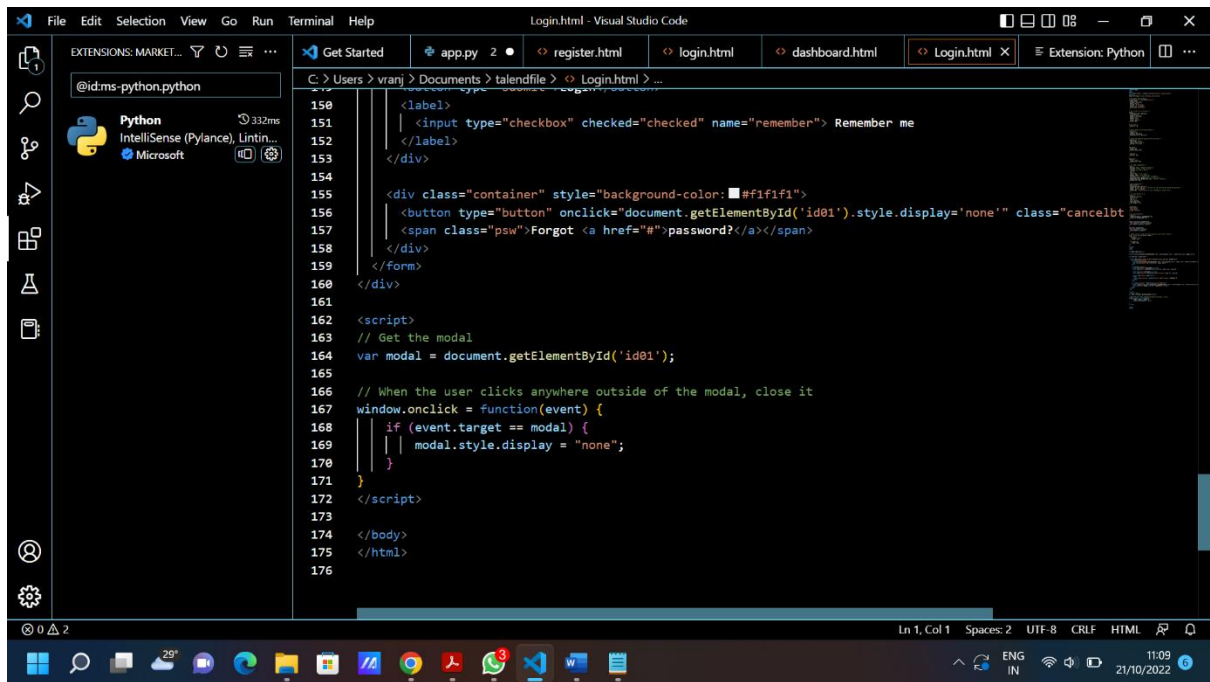


This screenshot shows the Visual Studio Code editor with the file `Login.html` open. The left sidebar displays the 'EXTENSIONS: MARKET...' view with the search term `@id:ms-python.python`. The main editor area shows CSS code for a login form. The code includes styles for the full height, background color, modal content box, and a close button. The status bar at the bottom indicates 'Ln 1, Col 1' and 'Spaces: 2'.

```
69 height: 100%; /* Full height */
70 overflow: auto; /* Enable scroll if needed */
71 background-color: rgba(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 left sidebar displays the 'EXTENSIONS: MARKET...' view with the search term `@id:ms-python.python`. The main editor area shows CSS code for a login form. The code includes styles for a zoom animation, keyframes, and media queries for small screens. The status bar at the bottom indicates 'Ln 1, Col 1' and 'Spaces: 2'.

```
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?](#)