

Assignment -2

Working with DB2

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Question-1:

Create User table with user with email, username, roll number, password.

Solution:

```
CREATE TABLE USER(  
    USER_ID INT GENERATED BY DEFAULT AS IDENTITY NOT NULL,  
    EMAIL_ID VARCHAR(150) NOT NULL,  
    USER_NAME VARCHAR(255) NOT NULL,  
    ROLL_NUMBER VARCHAR(100) NOT NULL,  
    PASSWORD VARCHAR(100) NOT NULL,  
    PRIMARY KEY (USER_ID)  
);  
  
INSERT INTO USER(EMAIL_ID, USER_NAME,ROLL_NUMBER,PASSWORD)  
VALUES('rk9166771@gmail.com','Rajeshkumar S','19CS123','9787234640');  
  
INSERT INTO USER(EMAIL_ID, USER_NAME,ROLL_NUMBER,PASSWORD)  
VALUES('ramachandramoorthykb@gmail.com','Ramachandramoorthy K  
B','19CS124','9912346578');
```

The screenshot displays the IBM Db2 Cloud console interface. On the left, a SQL script is entered in the editor, including commands to create a table, insert data, and update records. The right pane shows the execution results for the query 'SELECT * FROM USER'. The results are displayed in a table with four columns: USER_ID, EMAIL_ID, USER_NAME, and ROLL_NUMBER. Two rows of data are shown, corresponding to the two INSERT statements in the script. The bottom status bar indicates the system is at 25°C and partly sunny, with the date and time as 02-10-2022 at 09:02 AM.

USER_ID	EMAIL_ID	USER_NAME	ROLL_NUMBER
1	rk9166771@gmail.com	Rajeshkumar S	19CS123
2	ramachandramoorthykb@gmail.com	Ramachandramoorthy K B	19CS124

Question-2:

Perform UPDATE, DELETE Queries with user table

UPDATE:

Solution:

UPDATE USER SET EMAIL_ID='dev.rajeshkumars@gmail.com' WHERE USER_NAME='Rajeshkumar S';

The screenshot shows the IBM Db2 Cloud console interface. On the left, a SQL script is displayed with line numbers 1 through 27. The script includes a CREATE TABLE statement for 'USER', followed by two INSERT statements, and then a series of SELECT, UPDATE, and DELETE queries. The 'UPDATE' query is highlighted in blue. On the right, the 'Result' pane shows the output of the 'SELECT * FROM USER' query, which is 'Result set 1'. It displays a table with four columns: USER_ID, EMAIL_ID, USER_NAME, and ROLL_NO. The table contains two rows of data. Below the SQL editor, there are buttons for 'Run selected' and a checkbox for 'Remember my selection'.

```
1 CREATE TABLE USER(  
2   USER_ID INT GENERATED BY DEFAULT AS IDENTITY NOT NULL,  
3   EMAIL_ID VARCHAR(150) NOT NULL,  
4   USER_NAME VARCHAR(255) NOT NULL,  
5   ROLL_NUMBER VARCHAR(100) NOT NULL,  
6   PASSWORD VARCHAR(100) NOT NULL,  
7   PRIMARY KEY (USER_ID)  
8 );  
9  
10 INSERT INTO USER(EMAIL_ID,USER_NAME,ROLL_NUMBER,PASSWORD)  
11 VALUES('rk9166771@gmail.com','Rajeshkumar S','19CS123','9787234640');  
12  
13 INSERT INTO USER(EMAIL_ID, USER_NAME,ROLL_NUMBER,PASSWORD)  
14 VALUES('ramachandramoorthykb@gmail.com','Ramachandramoorthy K B','19CS124','991  
15  
16 SELECT * FROM USER;  
17  
18 UPDATE USER SET EMAIL_ID='dev.rajeshkumars@gmail.com' WHERE USER_NAME='Rajeshku  
19  
20 SELECT * FROM USER;  
21  
22 DELETE FROM USER WHERE USER_NAME = 'Rajeshkumar S';  
23  
24 SELECT * FROM USER;  
25  
26 DROP TABLE USER;  
27
```

USER_ID	EMAIL_ID	USER_NAME	ROLL_NO
1	dev.rajeshkumars@gmail.com	Rajeshkumar S	19CS123
2	ramachandramoorthykb@gmail.com	Ramachandramoorthy K B	19CS124

DELETE:

Solution:

DELETE FROM USER WHERE USER_NAME = 'Rajeshkumar S';

* Sample x

Script summaryBetaClassic

Syntax assistant

```
1 CREATE TABLE USER(  
2     USER_ID INT GENERATED BY DEFAULT AS IDENTITY NOT NULL,  
3     EMAIL_ID VARCHAR(150) NOT NULL,  
4     USER_NAME VARCHAR(255) NOT NULL,  
5     ROLL_NUMBER VARCHAR(100) NOT NULL,  
6     PASSWORD VARCHAR(100) NOT NULL,  
7     PRIMARY KEY (USER_ID)  
8 );  
9  
10 INSERT INTO USER(EMAIL_ID,USER_NAME,ROLL_NUMBER,PASSWORD)  
11 VALUES('rk9166771@gmail.com','Rajeshkumar S','19CS123','9787234640');  
12  
13 INSERT INTO USER(EMAIL_ID, USER_NAME,ROLL_NUMBER,PASSWORD)  
14 VALUES('ramachandramoorthykb@gmail.com','Ramachandramoorthy K B','19CS124','991  
15  
16 SELECT * FROM USER;  
17  
18 UPDATE USER SET EMAIL_ID='dev.rajeshekumars@gmail.com' WHERE USER_NAME='Rajeshku  
19  
20 SELECT * FROM USER;  
21  
22 DELETE FROM USER WHERE USER_NAME = 'Rajeshkumar S';  
23  
24 SELECT * FROM USER;  
25  
26 DROP TABLE USER;  
27
```

Result - Oct 2, 2022 9:02:58 AM

SELECT * FROM USER Run time: 0.003 s

Result set 1

USER_ID	EMAIL_ID	USER_NAME	ROLL_NU
2	ramachandramoorthykb@gmail.com	Ramachandramoorthy K B	19CS124

Run selectedRemember my selection