

Assignment -2

Working with DB2

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Question-1:

Create a User table with a 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 the creation of a 'USER' table with columns for USER_ID, EMAIL_ID, USER_NAME, ROLL_NUMBER, and PASSWORD, followed by two INSERT statements. The right pane shows the execution results for the query 'SELECT * FROM USER'. The results are displayed in a table with 4 columns: USER_ID, EMAIL_ID, USER_NAME, and ROLL_NUMBER. Two rows of data are shown, corresponding to the two users inserted. The first row has USER_ID 1, EMAIL_ID rk9166771@gmail.com, USER_NAME Rajeshkumar S, and ROLL_NUMBER 19CS123. The second row has USER_ID 2, EMAIL_ID ramachandramoorthykb@gmail.com, USER_NAME Ramachandramoorthy K B, and ROLL_NUMBER 19CS124. The console also shows a 'Run selected' button and a 'Remember my selection' checkbox at the bottom.

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', two INSERT statements, an UPDATE statement (line 18), a SELECT statement (line 20), a DELETE statement (line 22), another SELECT statement (line 24), and a DROP TABLE statement (line 26). The 'UPDATE' statement is highlighted in blue. On the right, the 'Result' pane shows the output of the 'SELECT * FROM USER' query. It indicates a run time of 0.016 s and displays 'Result set 1' with a table containing two rows of user data.

USER_ID	EMAIL_ID	USER_NAME	ROLL_NU
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';

