

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('sutharsansuthan62435@gmail.com','Sutharsan  
S','19CS164','7339622026');  
  
INSERT INTO USER(EMAIL_ID, USER_NAME,ROLL_NUMBER,PASSWORD)  
VALUES('sujith07062002@gmail.com','Sujith M','19CS161','8248378152');
```

The screenshot displays the IBM Db2 on Cloud web interface. The left sidebar shows the 'Run SQL' tab. The main editor contains the following SQL script:

```
1 INSERT INTO USER(EMAIL_ID, USER_NAME,ROLL_NUMBER,PASSWORD)  
2 VALUES('sutharsansuthan62435@gmail.com','Sutharsan S','19CS164','7339622026'  
3  
4 INSERT INTO USER(EMAIL_ID, USER_NAME,ROLL_NUMBER,PASSWORD)  
5 VALUES('sujith07062002@gmail.com','Sujith M','19CS161','8248378152');  
6  
7 SELECT * FROM USER;  
8  
9  
10
```

The right sidebar shows the execution results for the query 'SELECT * FROM USER'. The results are displayed in a table with the following columns: EMAIL_ID, USER_NAME, ROLL_NUMBER, and PASSWORD. The data rows are:

EMAIL_ID	USER_NAME	ROLL_NUMBER	PASSWOR
sutharsansuthan62435@gmail.com	Sutharsan S	19CS164	7339622
sujith07062002@gmail.com	Sujith M	19CS161	8248378

The interface also shows a 'Run selected' button and a 'Remember my selection' checkbox at the bottom of the editor.

Question-2:

Perform UPDATE, DELETE Queries with user table

UPDATE:

Solution:

UPDATE USER SET EMAIL_ID='svsudharsan36@gmail.com' WHERE USER_NAME='Sutharsan S';

The screenshot shows the IBM Db2 on Cloud Run SQL interface. The SQL editor contains the following code:

```
1 UPDATE USER SET EMAIL_ID='svsudharsan36@gmail.com' WHERE USER_NAME='Sutharsan S';
2
3 SELECT * FROM USER;
```

The results pane shows the execution of the UPDATE statement, which was successful and affected 1 row. Below it, the results of the SELECT statement are displayed in a table:

USER_ID	EMAIL_ID	USER_NAME	ROLL_NUMBER
1	svsudharsan36@gmail.com	Sutharsan S	19CS164
2	sujith07062002@gmail.com	Sujith M	19CS161

DELETE:

Solution:

DELETE FROM USER WHERE USER_NAME = 'Sutharsan S';

The screenshot shows the IBM Db2 on Cloud Run SQL interface. The SQL editor contains the following code:

```
1 DELETE FROM USER WHERE USER_NAME = 'Sutharsan S';
2
3 SELECT * FROM USER;
```

The results pane shows the execution of the DELETE statement, which was successful and affected 1 row. Below it, the results of the SELECT statement are displayed in a table:

USER_ID	EMAIL_ID	USER_NAME	ROLL_NUMBER
2	sujith07062002@gmail.com	Sujith M	19CS161