

## Assignment -2

### Working with DB2

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#### Question-1:

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('ex1@gmail.com','Example10','CS123','9944690406');  
  
INSERT INTO USER(EMAIL_ID,  
  USER_NAME,ROLL_NUMBER,PASSWORD)  
VALUES('ex2@gmail.com','Example11','CS124','7339125450');
```

The screenshot displays the IBM Db2 on Cloud web interface. The main window shows a SQL script editor with the query `SELECT * From User;` entered. Below the editor, the 'Run all' button is visible. To the right, the 'Result' pane shows the execution output for the query, dated Oct 26, 2022 1:57:39 PM. The result set contains two rows of data from the 'USER' table.

USER_ID	EMAIL_ID	USER_NAME	ROLL_NUMBER	PASSWOR
33	ex1@gmail.com	Example10	CS123	9944690
34	ex2@gmail.com	Example11	CS124	7339125

2.Perform UPDATE, DELETE Queries with user table.

Solution:

UPDATE:

```
UPDATE USER SET EMAIL_ID='ex02@gmail.com' WHERE  
USER_NAME='Example11';
```

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

```
1 UPDATE USER SET EMAIL_ID='ex02@gmail.com' WHERE  
2 USER_NAME='Example11';  
3 Select * From User;  
4
```

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

USER_ID	EMAIL_ID	USER_NAME	ROLL_NUMBER	PASSWO
33	ex1@gmail.com	Example10	CS123	994469
34	ex02@gmail.com	Example11	CS124	733912

DELETE:

```
DELETE FROM USER WHERE USER_NAME = 'Example10';
```

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

```
1 UPDATE USER SET EMAIL_ID='ex02@gmail.com' WHERE  
2 USER_NAME='Example11';  
3 Select * From User;  
4 DELETE FROM USER WHERE USER_NAME = 'Example10';  
5 SELECT * from User;
```

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

USER_ID	EMAIL_ID	USER_NAME	ROLL_NUMBER	PASSWO
34	ex02@gmail.com	Example11	CS124	733912