

Assignment 2

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Team ID: PNT2022TMID15222

Project: Personal Expense Tracker

CRUD OPERATION IN IBM DB2:

1. Create Table:

```
CREATE TABLE assignment_user (  
    id INT NOT NULL PRIMARY KEY GENERATED ALWAYS AS  
    IDENTITY (START WITH 1 INCREMENT BY 1),  
    email VARCHAR(50) NOT NULL UNIQUE,  
    password_hash VARCHAR(64) NOT NULL,  
    username VARCHAR(50) NOT NULL UNIQUE,  
    rollno VARCHAR(15) NOT NULL UNIQUE  
);
```

2. Insert:

```
INSERT INTO assignment_user (email, password_hash, username,  
rollno) VALUES ('suresh@gmail.com', 'suresh@12', 'suresh',  
'19BIT222');
```

3. Read:

```
SELECT * FROM assignment_user;
```

4. Update:

```
UPDATE assignment_user SET password_hash = 'suresh@14'  
WHERE rollno = '19BIT222';
```

5. Delete:

```
DELETE FROM assignment_user WHERE rollno = '19BIT222';
```

Screenshot:

The screenshot shows a SQL IDE interface with a script editor and a history panel. The script editor contains the following SQL code:

```
1 CREATE TABLE assignment_user (  
2   id INT NOT NULL PRIMARY KEY GENERATED ALWAYS AS IDENTITY (START WITH 1 INCREMENT BY 1),  
3   email VARCHAR(50) NOT NULL UNIQUE,  
4   password_hash VARCHAR(64) NOT NULL,  
5   username VARCHAR(50) NOT NULL UNIQUE,  
6   rollno VARCHAR(15) NOT NULL UNIQUE  
7 );  
8  
9 INSERT INTO assignment_user (email, password_hash, username, rollno) VALUES ('suresh@gmail.com', 'suresh@12', 'suresh', '19BIT222');  
10  
11 SELECT * FROM assignment_user;  
12  
13 UPDATE assignment_user SET password_hash = 'suresh@14' WHERE rollno = '19BIT222';  
14  
15 DELETE FROM assignment_user WHERE rollno = '19BIT222';
```

The history panel shows the execution of the script with the following details:

Script	Date	Status	Runtime
INSERT INTO assignment_user (email, password_hash, username, rollno) VALUES ('suresh@gmail.com', 'suresh@12', 'suresh', '19BIT222');		✓	0.012 s
SELECT * FROM assignment_user		✓	0.006 s
UPDATE assignment_user SET password_hash = 'suresh@14' WHERE rollno = '19BIT222'		✓	0.007 s
DELETE FROM assignment_user WHERE rollno = '19BIT222'		✓	0.007 s

Screenshot of flask app:

The screenshot shows a web browser displaying a Flask application. The page title is "Assignment 2" and the URL is "localhost:5500/IBM-Project-10506-1659183002/Assignments/Anul_Murugavel(Team%20Lead)/Assignment_2/frontend/index.html". The page has a dark background and a "Login/Signup" link in the top right corner. The main content area displays the following text:

username:
rollno:

Personal Expense Tracker | x

localhost:5500/IBM-Project-10506-1659183002/Assignments/Arul_Murugavel(Team%20Lead)/Assignment_2/frontend/auth.html

Assignment 2

Login

SignUp

E-Mail

ramesh@gmail.com

password

Confirm Password

Username

Ramesh

Roll No

19BIT333

SignUp

Personal Expense Tracker | x

localhost:5500/IBM-Project-10506-1659183002/Assignments/Arul_Murugavel(Team%20Lead)/Assignment_2/frontend/auth.html

Assignment 2

Login

SignUp

E-Mail

ramesh@gmail.com

password

Login

