

Assignment 2

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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;
```

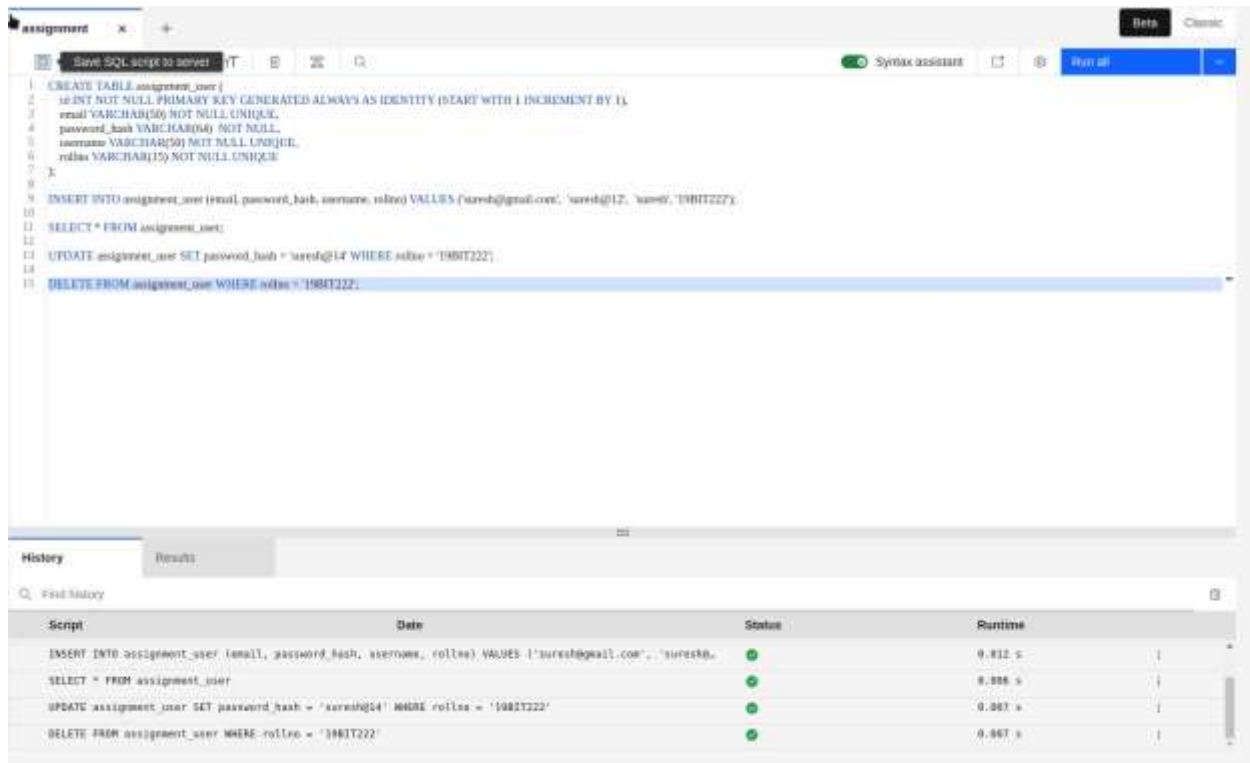
4. Update:

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

5. Delete:

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

Screenshot:



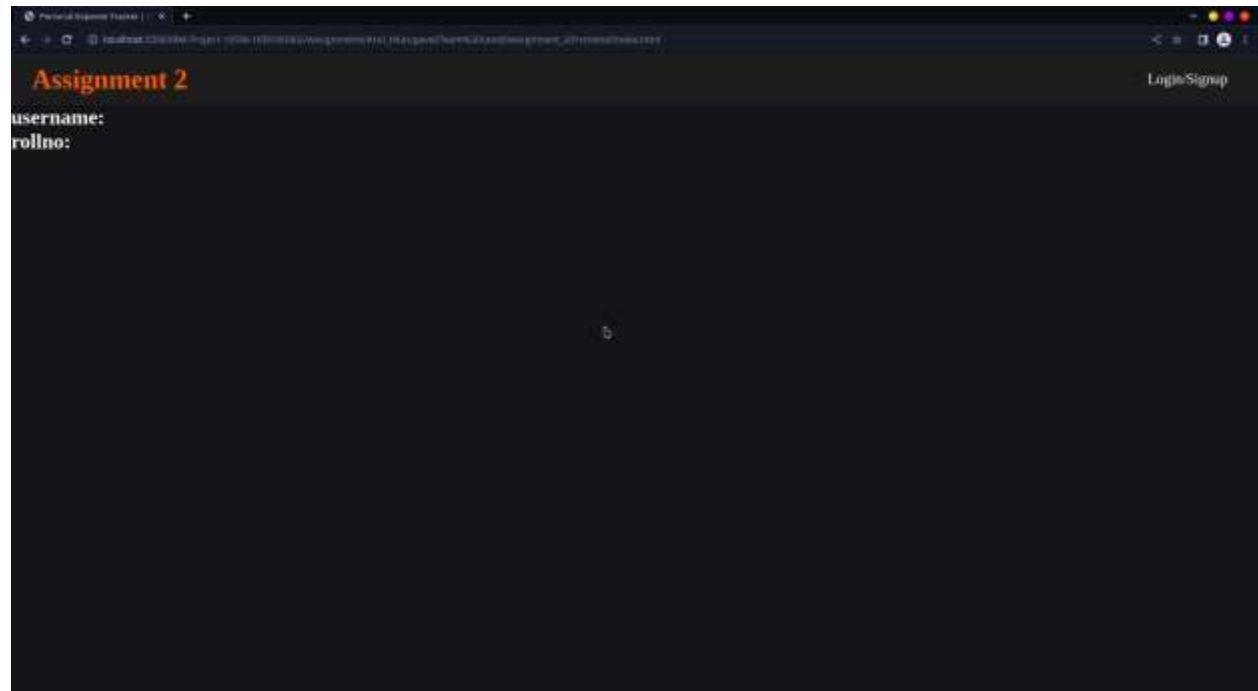
The screenshot shows a SQL IDE window titled "assignment". The script being executed is as follows:

```
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 rollee VARCHAR(15) NOT NULL UNIQUE,  
7 )  
8  
9 INSERT INTO assignment_user (email, password_hash, username, rollee) VALUES ('suresh@gmail.com', 'suresh@123', 'suresh', '1981T222');  
10  
11 SELECT * FROM assignment_user;  
12  
13 UPDATE assignment_user SET password_hash = 'suresh@54' WHERE rollee = '1981T222';  
14  
15 DELETE FROM assignment_user WHERE rollee = '1981T222';
```

The results of the execution are shown in a table below:

Script	Date	Status	Runtime
INSERT INTO assignment_user (email, password_hash, username, rollee) VALUES ('suresh@gmail.com', 'suresh@123', 'suresh', '1981T222');		✓	0.812 s
SELECT * FROM assignment_user;		✓	0.006 s
UPDATE assignment_user SET password_hash = 'suresh@54' WHERE rollee = '1981T222';		✓	0.067 s
DELETE FROM assignment_user WHERE rollee = '1981T222';		✓	0.067 s

Screenshot of flask app:



Portfolio Expense Tracker | | +

localhost:5200/Portfolio-Tracker | https://localhost:5200/Portfolio-Tracker | Portfolio Expense Tracker | Assignment 2 | ramesh@vishal.net

Assignment 2

Login

SignUp

E-Mail

ramesh@gmail.com

password

Confirm Password

Username

Ramesh

Roll No

19BIT333

SignUp

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localhost:5200/Portfolio-Tracker | https://localhost:5200/Portfolio-Tracker | Portfolio Expense Tracker | Assignment 2 | ramesh@vishal.net

Assignment 2

Login

SignUp

E-Mail

ramesh@gmail.com

password

Login 🔑

