**// 1. Create the tables for User, Circle, User\_Circle, Messages and User\_Inbox**

Create table User(uid varchar(5), password varchar(10),username varchar(15));

create table Circle(cid varchar(5), circle varchar(100),cby integer,cdate Date);

create table User\_Circle(ucid varchar(5),ctype varchar(200),userid varchar(5));

create table Message(mid varchar(5),Sentby varchar(5),Recieveby varchar(5),Message varchar(100));

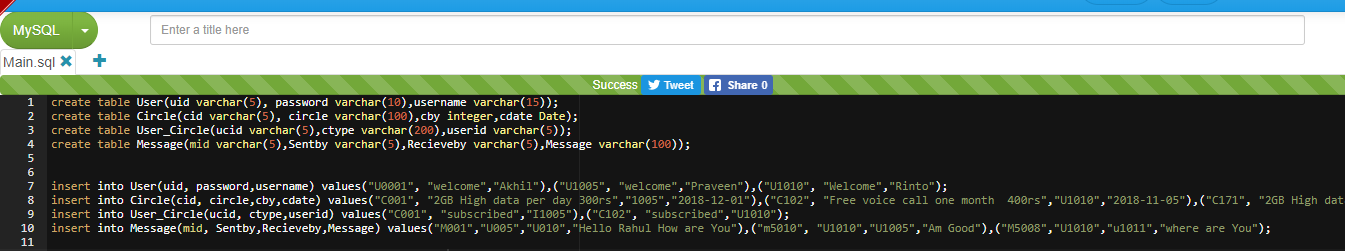
**//2. Insert the rows into the created tables (User, Circle, User\_Circle, and Messages).**

insert into User(uid, password,username) values("U0001", "welcome","Akhil"),("U1005", "welcome","Praveen"),("U1010", "Welcome","Rinto");

insert into Circle(cid, circle,cby,cdate) values("C001", "2GB High data per day 300rs","1005","2018-12-01"),("C102", "Free voice call one month 400rs","U1010","2018-11-05"),("C171", "2GB High Speed data with free voice call 500rs","U1005","2019-02-01");

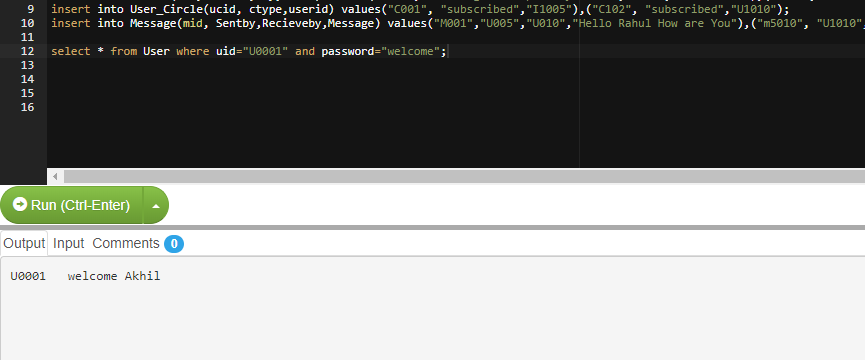
insert into User\_Circle(ucid, ctype,userid) values("C001", "Subscribed","I1005"),("C102", "subscribed","U1010");

insert into Message(mid, Sentby,Recieveby,Message) values("M001","U005","U010","Hello Rahul How are You"),("m5010", "U1010","U1005","Am Good"),("M5008","U1010","u1011","where are You");



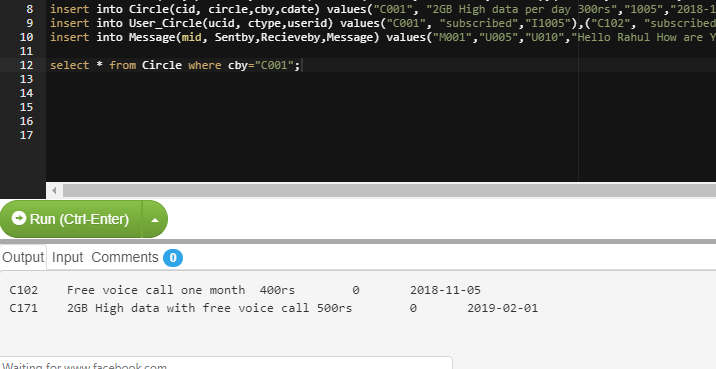
**//3. Fetch the row from User table based on Id and Password.**

select \* from User where uid="U0001" and password="welcome";



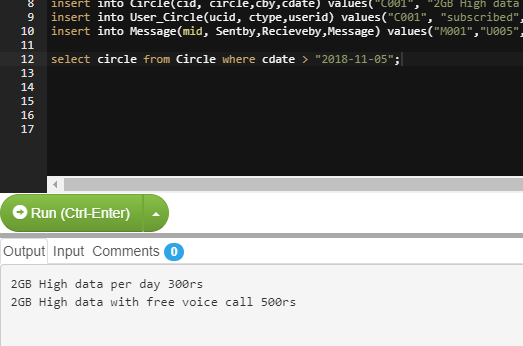
**//4. Fetch all the rows from Circle table based on the field created\_by.**

select \* from Circle where cby="C001";



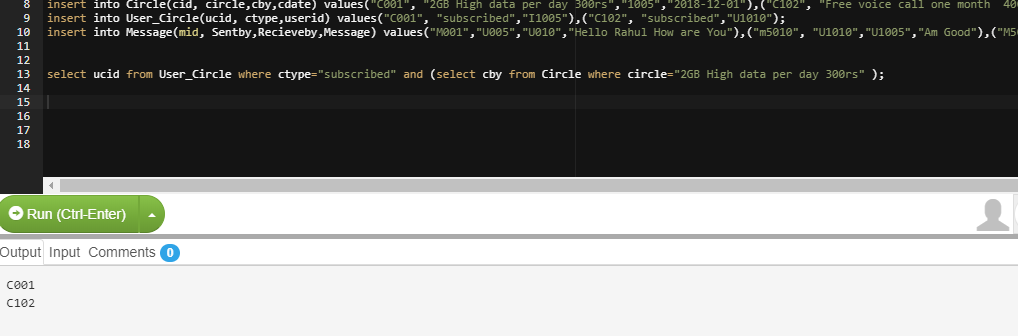
**//5. Fetch all the Circles created after the particular Date.**

select circle from Circle where cdate > "2018-11-05";



**//6. Fetch all the User Ids from UserCircle table subscribed to particular Circle.**

select ucid from User\_Circle where ctype="subscribed" and (select cby from Circle where circle="2GB High data per day 300rs" );

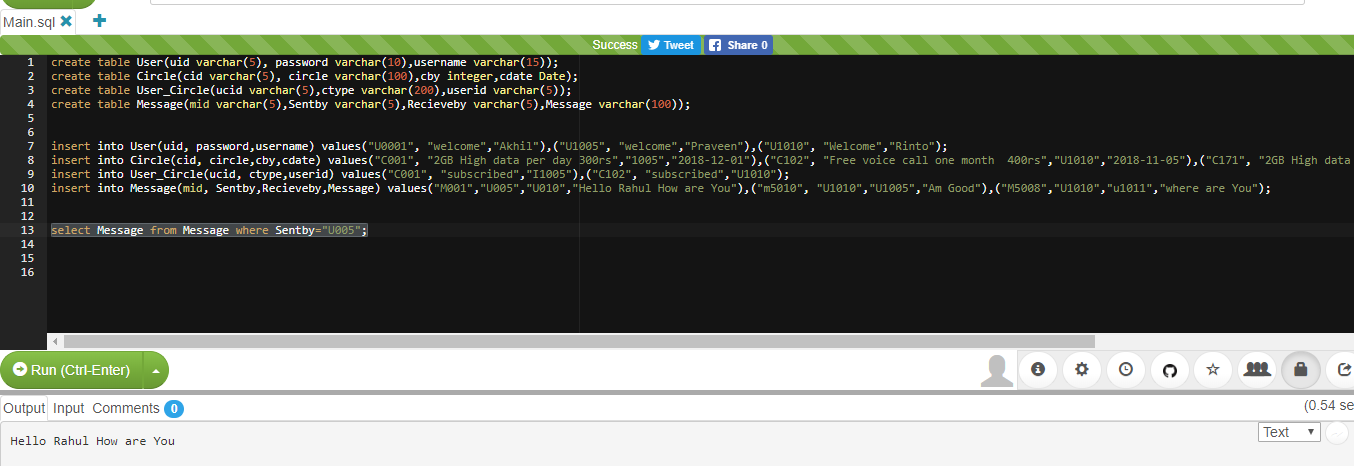


**//7. Write upDate query to unsubscribe to particular Circle for the given User Id.**

update User\_Circle set ctype="unsubscribed" where ucid = "1005";

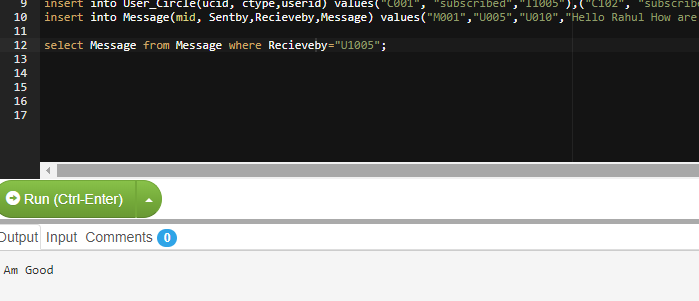
**//8. Fetch all the Messages from the Messages table sent by a particular User.**

select Message from Message where Sentby="U005";



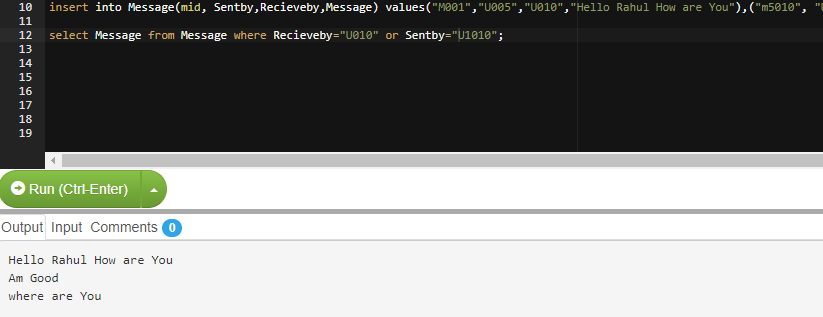
**//9. Fetch all the Messages from the Messages table received by a particular User.**

select Message from Message where Recieveby="U1005";



**//10. Fetch all the Messages from the Messages table sent/received by a particular User. (both the Messages)**

select Message from Message where Recieveby="U010" or Sentby="U1010";



**//11. Write a query to send Message from particular User to another User(Use Message table - insert statement).**

insert into Message(mid, Sentby,Recieveby,Message) values("m5001","U005","U1010","Get well soon!!");

**//12. Write a query to send Message from particular User to particular Circle(Use Message table - insert statement)**

insert into Message(mid, Sentby,Recieveby,Message) values("m5010","U1010","C101","Hi I need a help");

**//13. Write a query to delete particular Message which you received from User(User Inbox table - delete statement)**

create table userinbox(Uid varchar(5),mid varchar(5));

insert into userinbox(Uid, mid) values("U1011","m5001"),("C101","m5006"),("U1091","m5008");

Delete from userinbox where mid in (select mid from Message where Recieveby="U1010");

**//14. Write a query to delete particular Message which you received from particular Circle(User Inbox table - delete statement)**

Delete from userinbox where mid in (select mid from Message where Recieveby="C101");