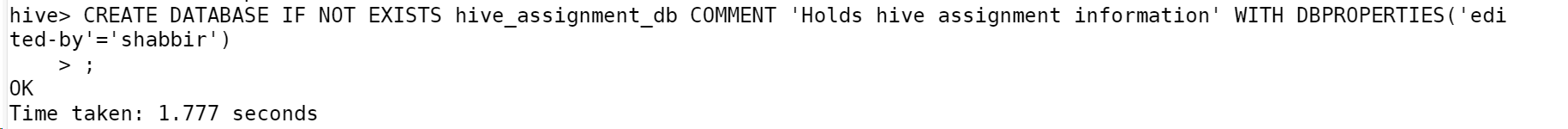
CREATE DATABASE IF NOT EXISTS hive\_assignment\_db COMMENT 'Holds hive assignment information' WITH DBPROPERTIES('edi

ted-by'='shabbir')



SHOW DATABASES like '\*hive\_assignment\_db\*';

A close up of words

Description automatically generated

USE hive\_assignment\_db;

A close up of a text

Description automatically generated

CREATE TABLE facebook (

userid INT,

age INT,

dob\_day INT,

dob\_year INT,

dob\_month INT,

gender STRING,

tenure INT,

friend\_count INT,

friendships\_initiated INT,

likes INT,

likes\_received INT,

mobile\_likes INT,

mobile\_likes\_received INT,

www\_likes INT,

www\_likes\_received INT

)

ROW FORMAT DELIMITED

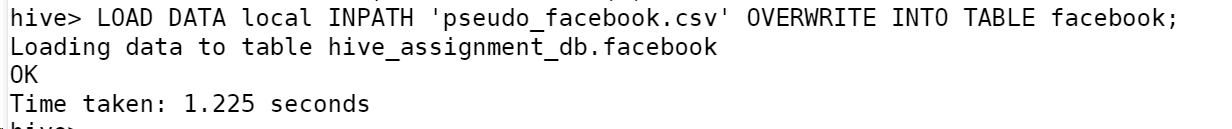
FIELDS TERMINATED BY ','

STORED AS TEXTFILE;

A close-up of a white background

Description automatically generated

LOAD DATA local INPATH 'pseudo\_facebook.csv' OVERWRITE INTO TABLE facebook;



SET hive.cli.print.header=true;

select \* from facebook limit 5;

A close-up of a test

Description automatically generated

Q1: Find out the total no of users in the dataset

SELECT COUNT(\*) AS total\_users FROM facebook;

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

Q2: Find out the no of users above the age of 25

SELECT COUNT(\*) AS users\_above\_25 FROM facebook WHERE age > 25;

A close up of a computer screen

Description automatically generated

A screenshot of a computer

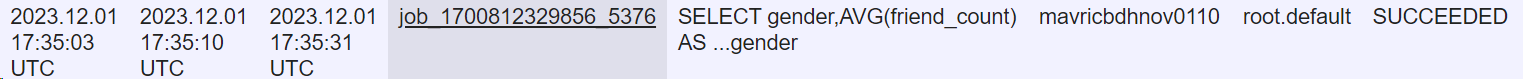
Description automatically generated

Q3: Do male face book users tend to have more friends or female users

SELECT gender,AVG(friend\_count) AS average\_friend\_count FROM facebook GROUP BY gender;

A screenshot of a computer

Description automatically generated

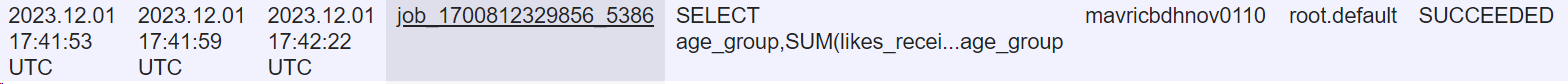


Q4: How many likes do young people receive on facebook as opposed to old people

SELECT age\_group,SUM(likes\_received) AS total\_likes\_received FROM (SELECT CASE WHEN age < 30 THEN 'Young' ELSE 'Old' END AS age\_group, likes\_received FROM facebook) subquery GROUP BY age\_group;

A close-up of a computer screen

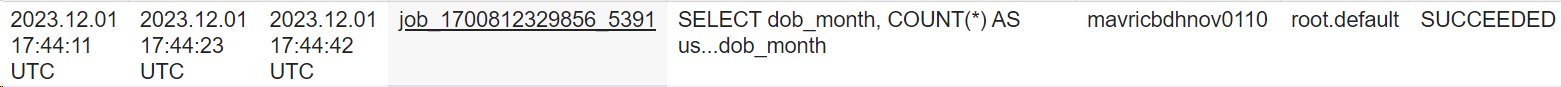
Description automatically generated



Q5: Find out the count of facebook users for each birthday month

SELECT dob\_month, COUNT(\*) AS user\_count FROM facebook GROUP BY dob\_month ORDER BY dob\_month;

A screenshot of a computer

Description automatically generated 

Q6: Do young members use mobile phones or computers for facebook browsing

WITH age\_device AS (

    SELECT

        CASE

            WHEN age < 30 THEN 'Young'

            ELSE 'Old'

        END AS age\_group,

        CASE

            WHEN mobile\_likes > 0 THEN 'Mobile'

            ELSE 'Computer'

        END AS device\_type

    FROM facebook

)

SELECT

    age\_group,

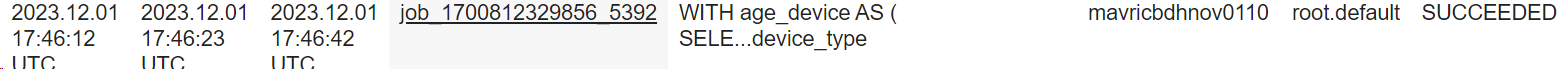
    device\_type,

    COUNT(\*) AS user\_count

FROM age\_device

GROUP BY age\_group, device\_type;

A close-up of a computer screen

Description automatically generated 

Q7: Do adult members use mobile phones or computers for facebook browsing

SELECT

    age\_group,

    device\_type,

    COUNT(\*) AS user\_count

FROM (

    SELECT

        CASE WHEN age >= 18 THEN 'Adult' ELSE 'Not Adult' END AS age\_group,

        CASE WHEN mobile\_likes > 0 THEN 'Mobile' ELSE 'Computer' END AS device\_type

    FROM facebook

) subquery

GROUP BY age\_group, device\_type;

A close-up of a computer screen

Description automatically generated

