Creating a table called Facebook

Database name -facebook\_sweta

Table Name-facebook

Query :

CREATE TABLE facebook\_sweta.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 ','

LINES TERMINATED BY '\n'

STORED As TextFile

tblproperties(

"skip.header.line.count"="1"

);

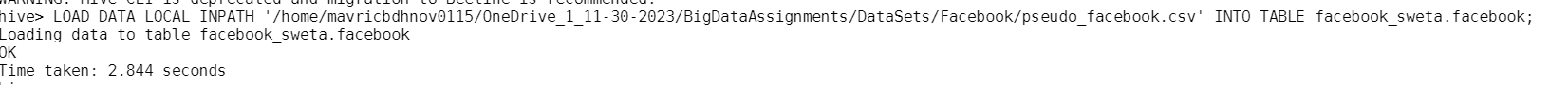
A screenshot of a computer program

Description automatically generated



Loading the pseudo\_facebook.csv file into the table facebook

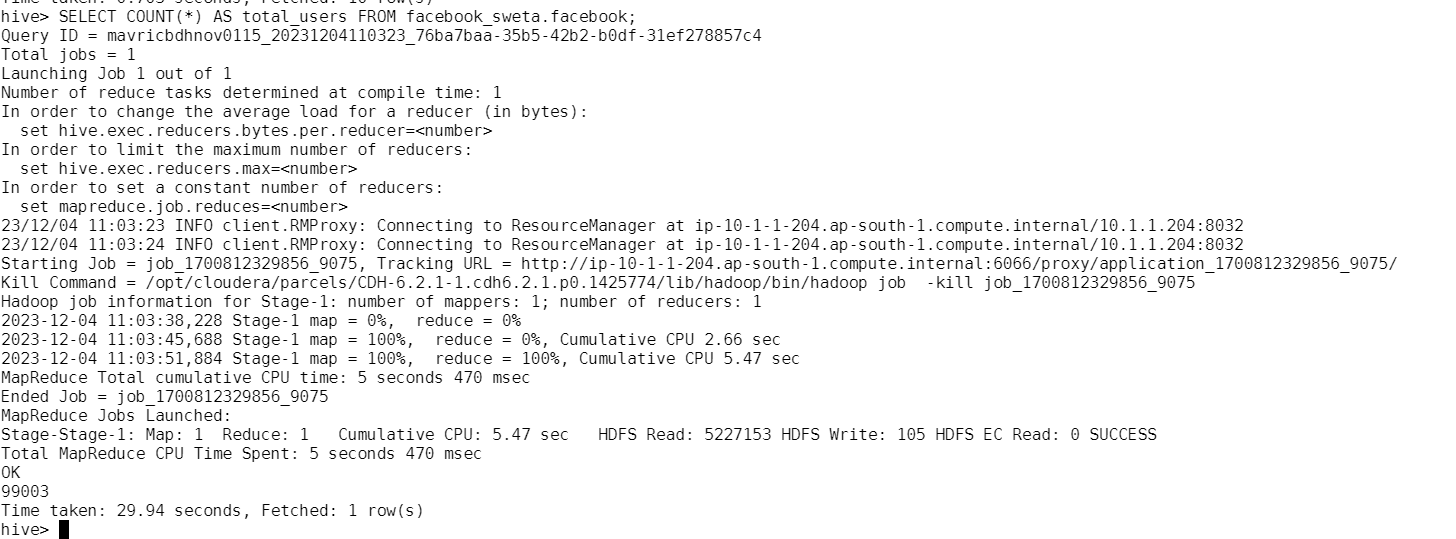
LOAD DATA LOCAL INPATH 'home/mavricbdhnov0115/OneDrive\_1\_11-30-2023/BigDataAssignments/DataSets/Facebook/pseudo\_facebook.csv' INTO TABLE facebook\_sweta.facebook;



Query 1: Find out the total no of users in the dataset

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

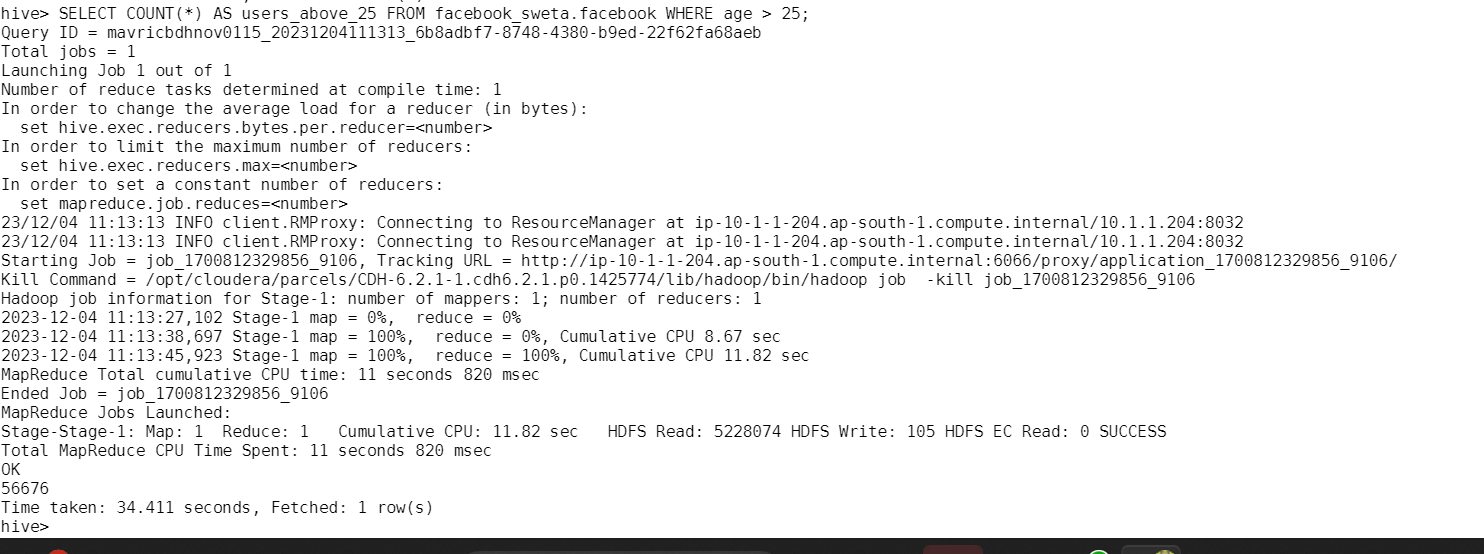
total\_users = 99003



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

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

Users\_above\_25 = 56676

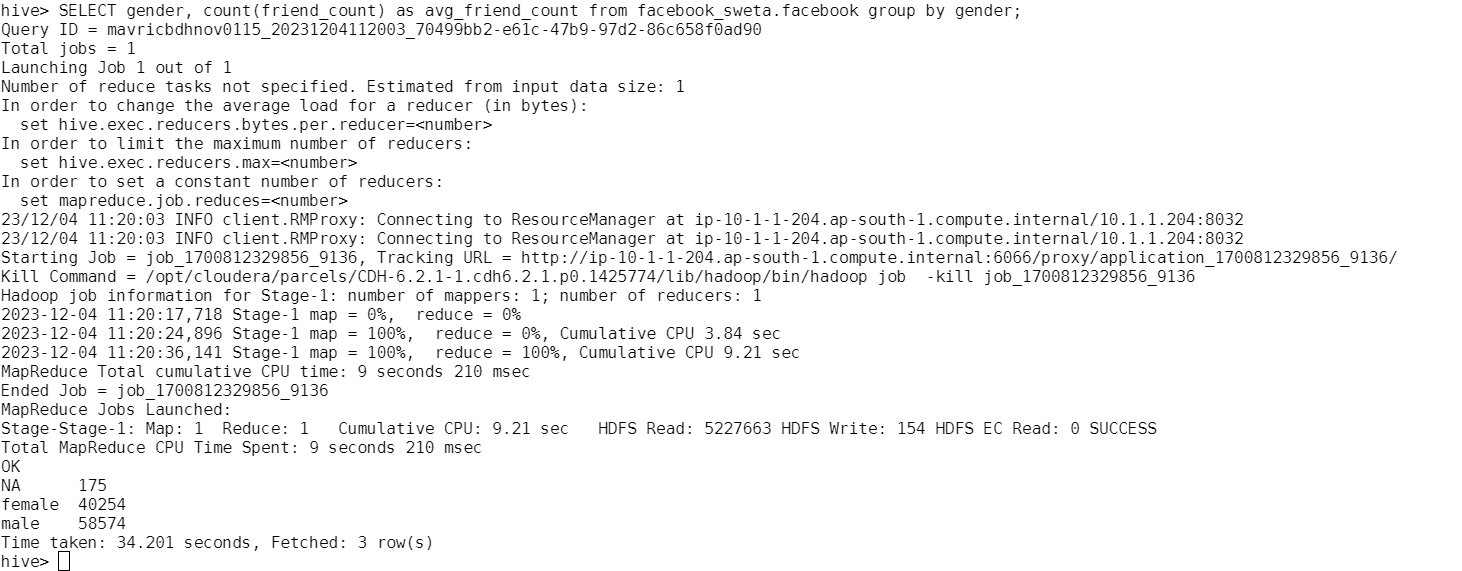


# Q3: Do male face book users tend to have more friends or female users

SELECT gender, count(friend\_count) as avg\_friend\_count from facebook\_sweta.facebook group by gender;

Avg\_friend\_count

|  |  |
| --- | --- |
| NA | 175 |
| female | 40254 |
| male | 58574 |



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

select if (age <= 25, 'Young', 'Old') as age\_group,sum(likes\_received) as total\_likes\_received from facebook\_sweta.facebook group by if(age <=

25, 'Young', 'Old')

|  |  |
| --- | --- |
| Old | 5649125 |
| Young | 8477550 |

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

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

|  |  |
| --- | --- |
| 1 | 11772 |
| 2 | 7632 |
| 3 | 8110 |
| 4 | 7810 |
| 5 | 8271 |
| 6 | 7607 |
| 7 | 8021 |
| 8 | 8266 |
| 9 | 7939 |
| 10 | 8476 |
| 11 | 7205 |
| 12 | 7894 |

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Description automatically generated

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

select 'Young' as age\_group,SUM(mobile\_likes) as mobile\_likes, SUM(www\_likes) as computer\_likes FROM facebook\_sweta.facebook where age < 18 group by 'Young';

Young 1615213 828252

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Description automatically generated

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

select 'Adult' as age\_group,SUM(mobile\_likes) as mobile\_likes,SUM(www\_likes) as computer\_likes FROM facebook\_sweta.facebook where age >= 18 and age < 61 group by 'Adult';

ADULT 7633769 310838390

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