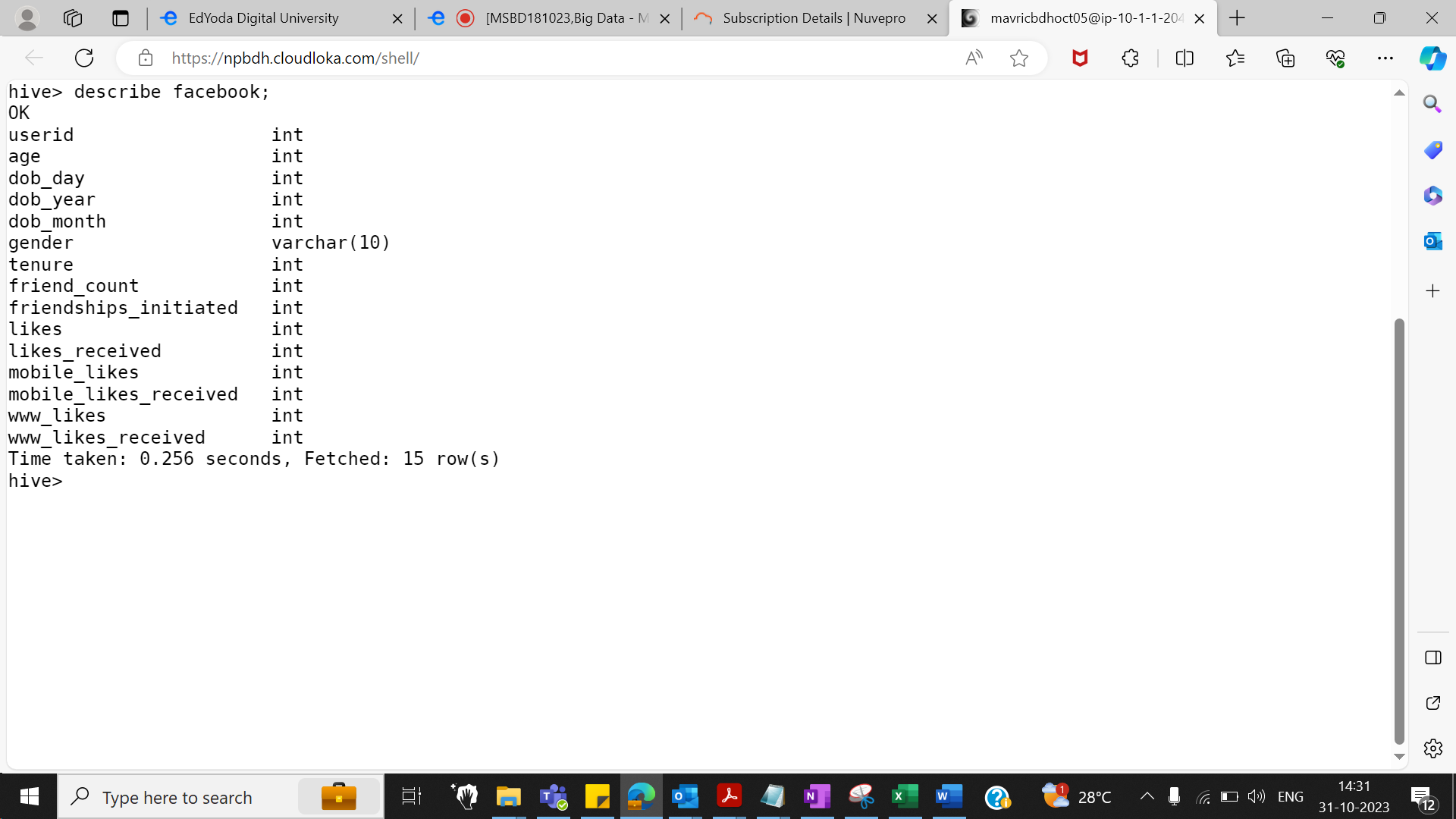
**Assignment 1** -**facebook Analysis**

CREATE TABLE facebook(userid int,age int,dob\_day int,dob\_year int,dob\_month int,gender varchar (10),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 ',';



**LOAD DATA LOCAL INPATH 'pseudofacebook.csv' INTO TABLE facebook;**

A screenshot of a computer

Description automatically generated

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

select count(\*) form facebook;

select count(DISTINCT userid) from facebook;`

Ans 99003

A screenshot of a computer

Description automatically generated

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

select count(\*) from facebook where age > 25;

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 10.01 sec HDFS Read: 5327068 HDFS Write: 105 HDFS EC Read: 0 SUCCESS

Total MapReduce CPU Time Spent: 10 seconds 10 msec

OK

56676

A screenshot of a computer

Description automatically generated

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

select gender,sum(friend\_count) from facebook group by gender;

OK

NA 32272

female 9740258

male 9666787

A screenshot of a computer

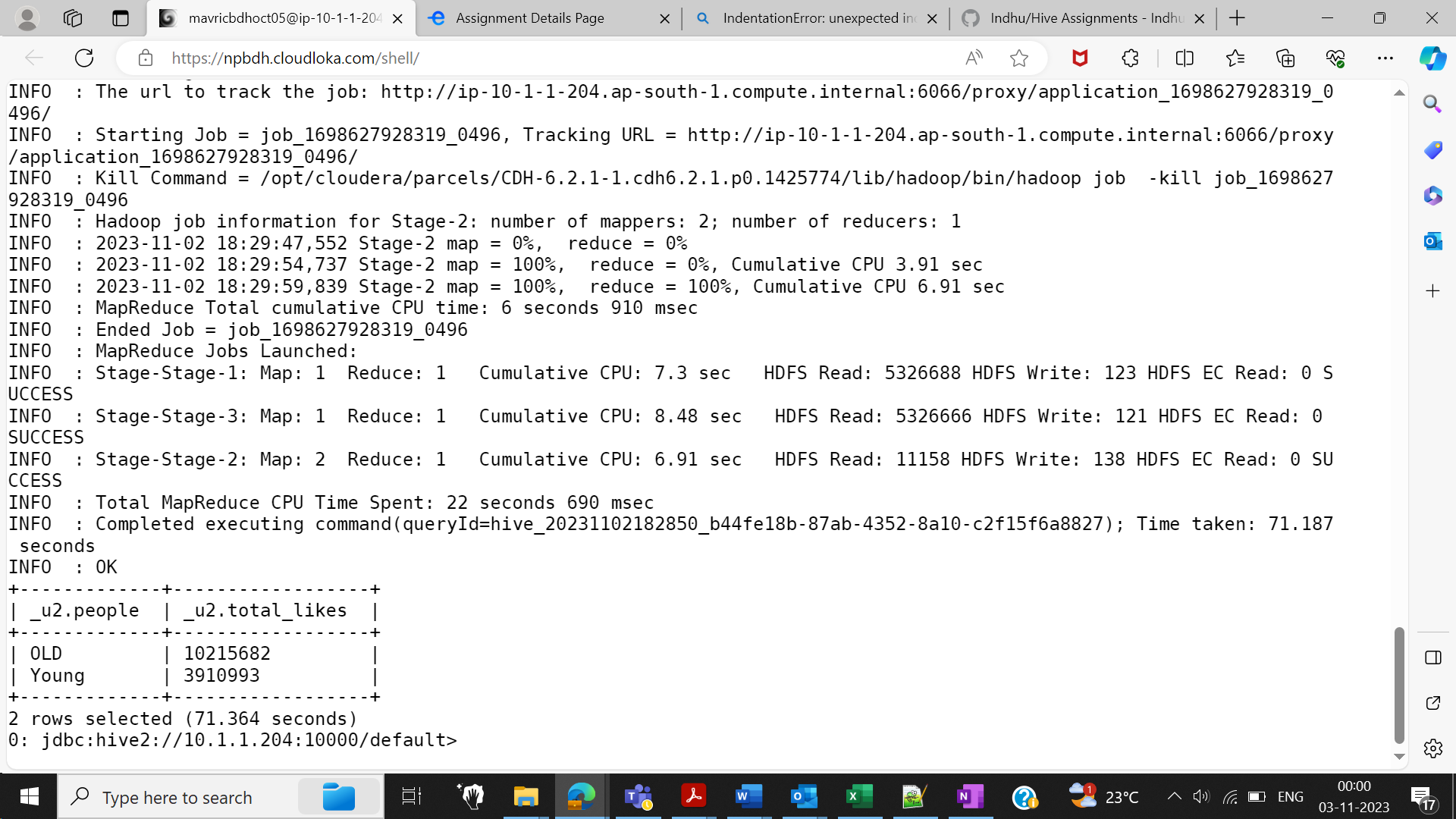
Description automatically generated

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

select 'Young' as people ,sum(likes\_received) as total\_likes from facebook where age <= 18

union

select 'OLD' as people ,sum(likes\_received) as total\_likes from facebook where age > 18)a;



select sum(likes\_received) from facebook where age between 21 and 115;

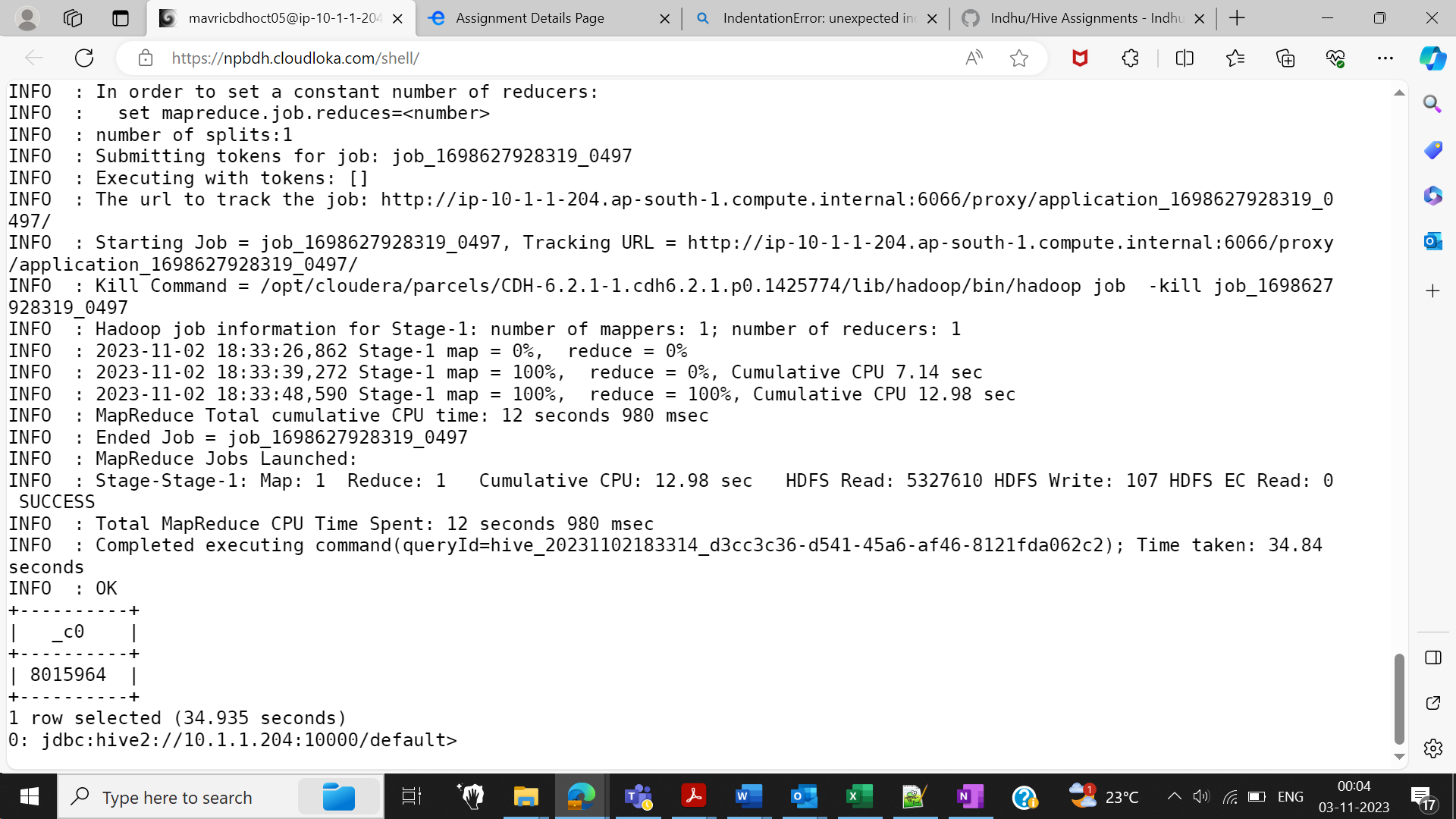
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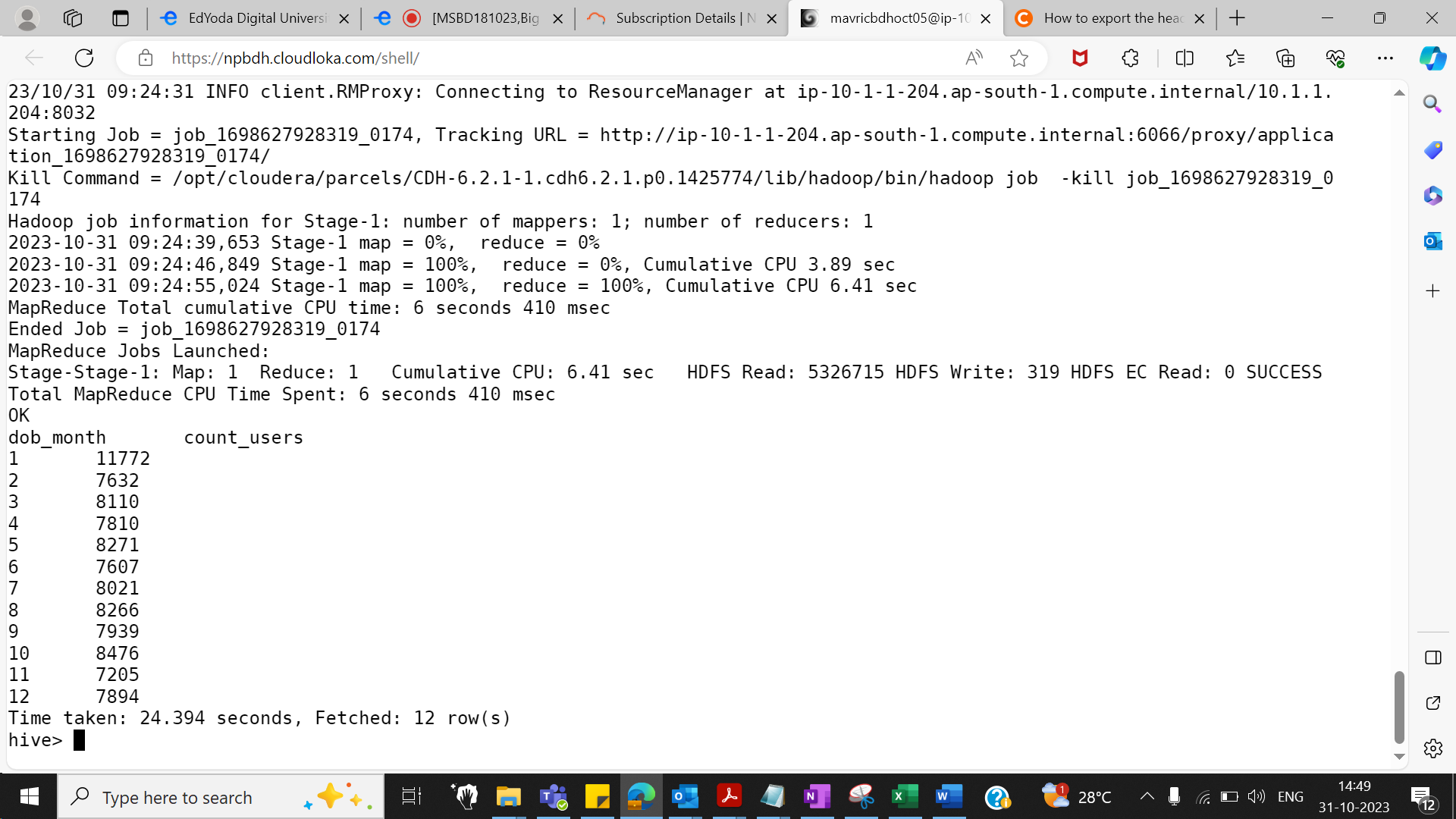
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**Q5: Find out the count of facebook users for each birthday month**

select dob\_month,count(userid) as count\_users from facebook group by dob\_month;



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

select sum(mobile\_likes) as total\_mobile\_likes ,sum(www\_likes) as total\_www\_likes from facebook where age<=18;

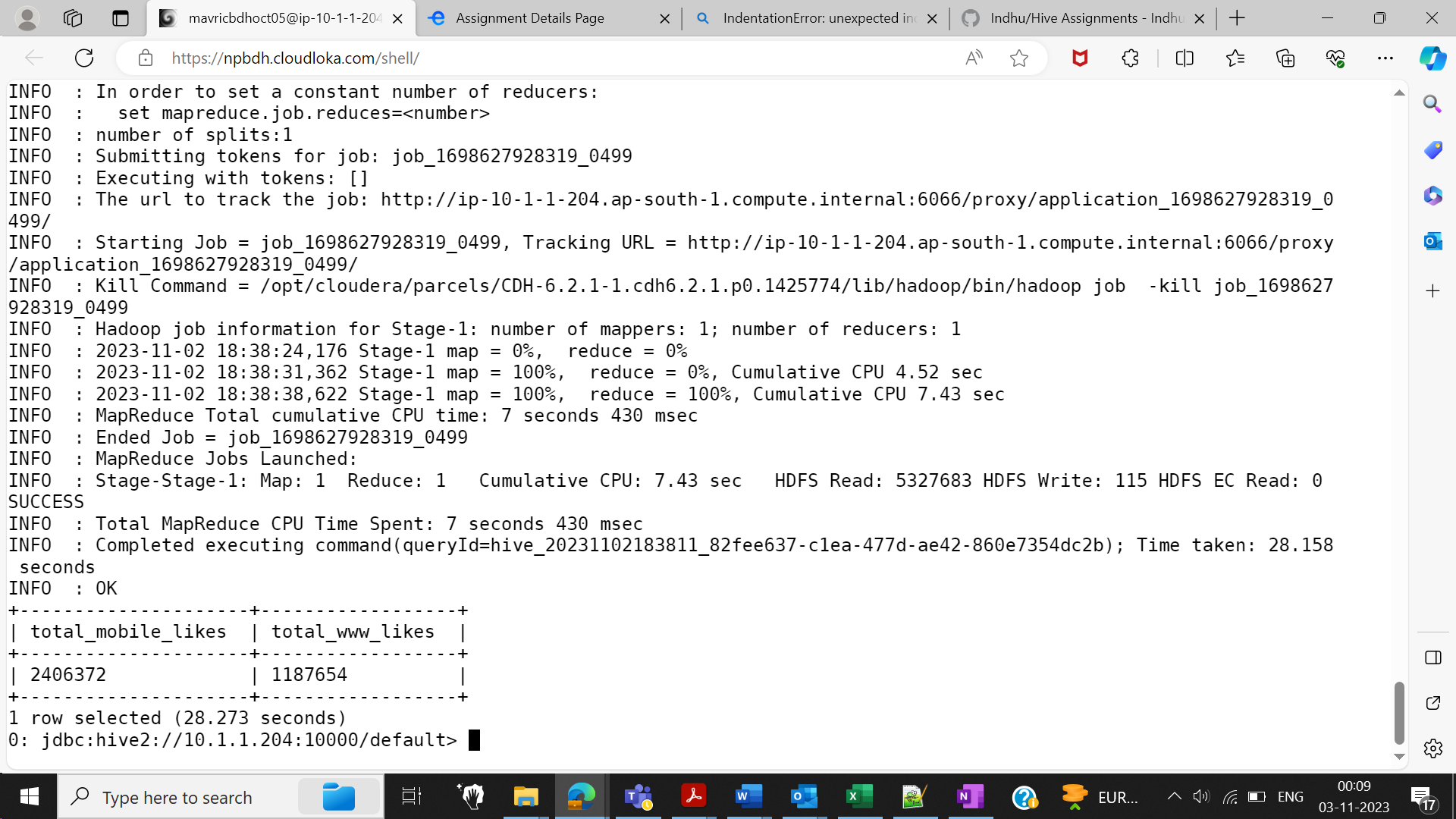
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| total\_mobile\_likes | total\_www\_likes |

+---------------------+------------------+

| 2406372 | 1187654 |

+---------------------+------------------+



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

Select sum(mobile\_likes) as total\_mobile\_likes ,sum(www\_likes) as total\_www\_likes from facebook where age >18;

+---------------------+------------------+

| total\_mobile\_likes | total\_www\_likes |

+---------------------+------------------+

| 8099460 | 3758776 |

+---------------------+------------------+

A screenshot of a computer

Description automatically generated