## 

## **Experiment-4**

**Student Name:** Gauri Prabhakar **UID:** 18BCS6201

**Branch:** 18AITAIML-2 **Section/Group:** B

**Semester:** 7 **Date of Performance:** 8th September, 2021

**Subject Name:** Advanced Database Management Lab **Subject Code:** CSP - 434

# Aim/Overview of the practical:

To create and perform queries on sequences, synonyms and views.

# Task to be done:

To create and perform queries on sequences, synonyms and views.

# Steps to be followed:

**Creating a SEQUENCE, incrementing it by 1 then creating a table and inserting values into the table and setting NEXTVAL:**

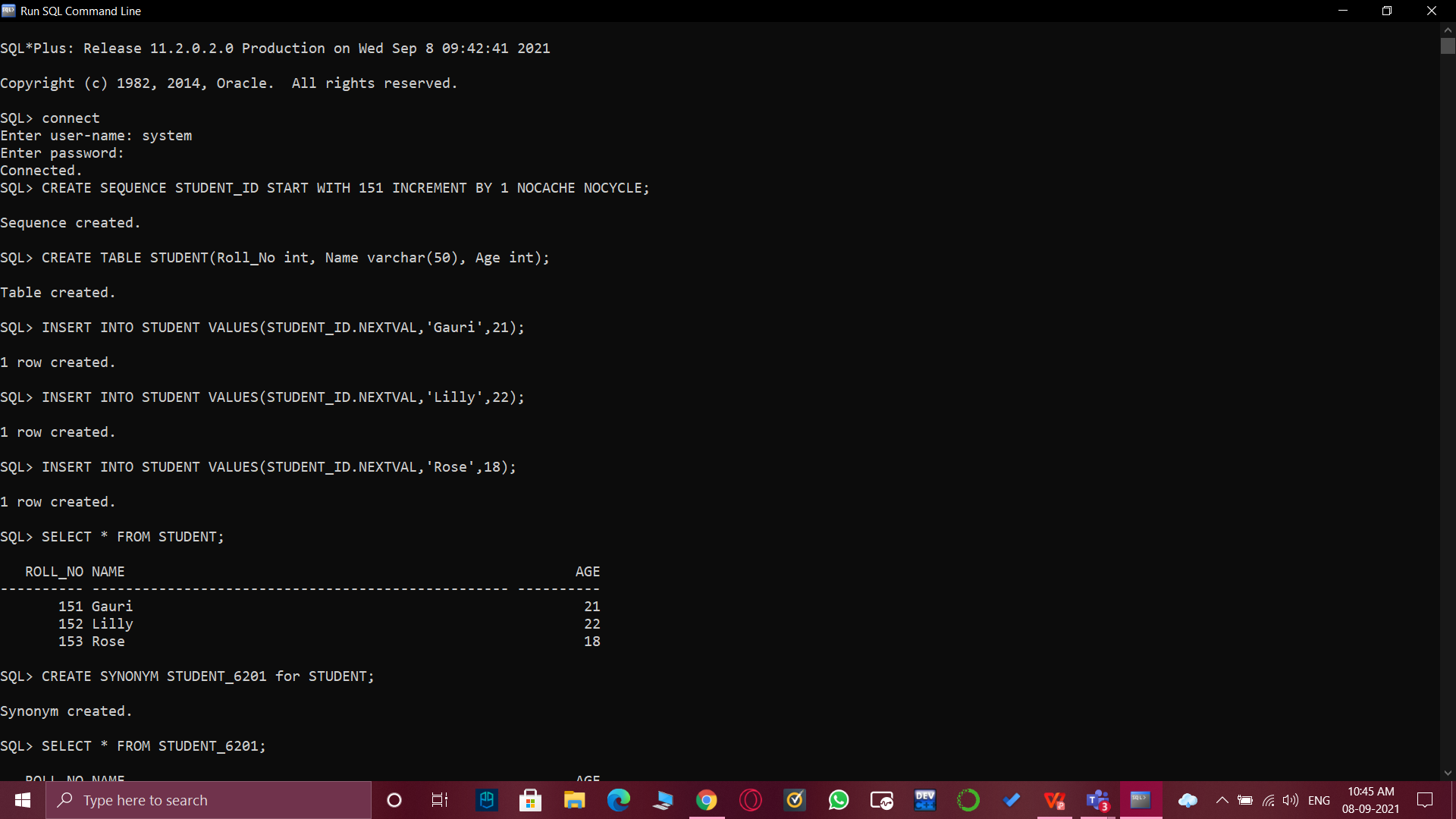
# CREATE SEQUENCE STUDENT\_ID START WITH 151 INCREMENT BY 1 NOCACHE NOCYCLE;

# CREATE TABLE STUDENT(Roll\_No int, Name varchar(50), Age int);

# INSERT INTO STUDENT VALUES(STUDENT\_ID.NEXTVAL,'Gauri',21);

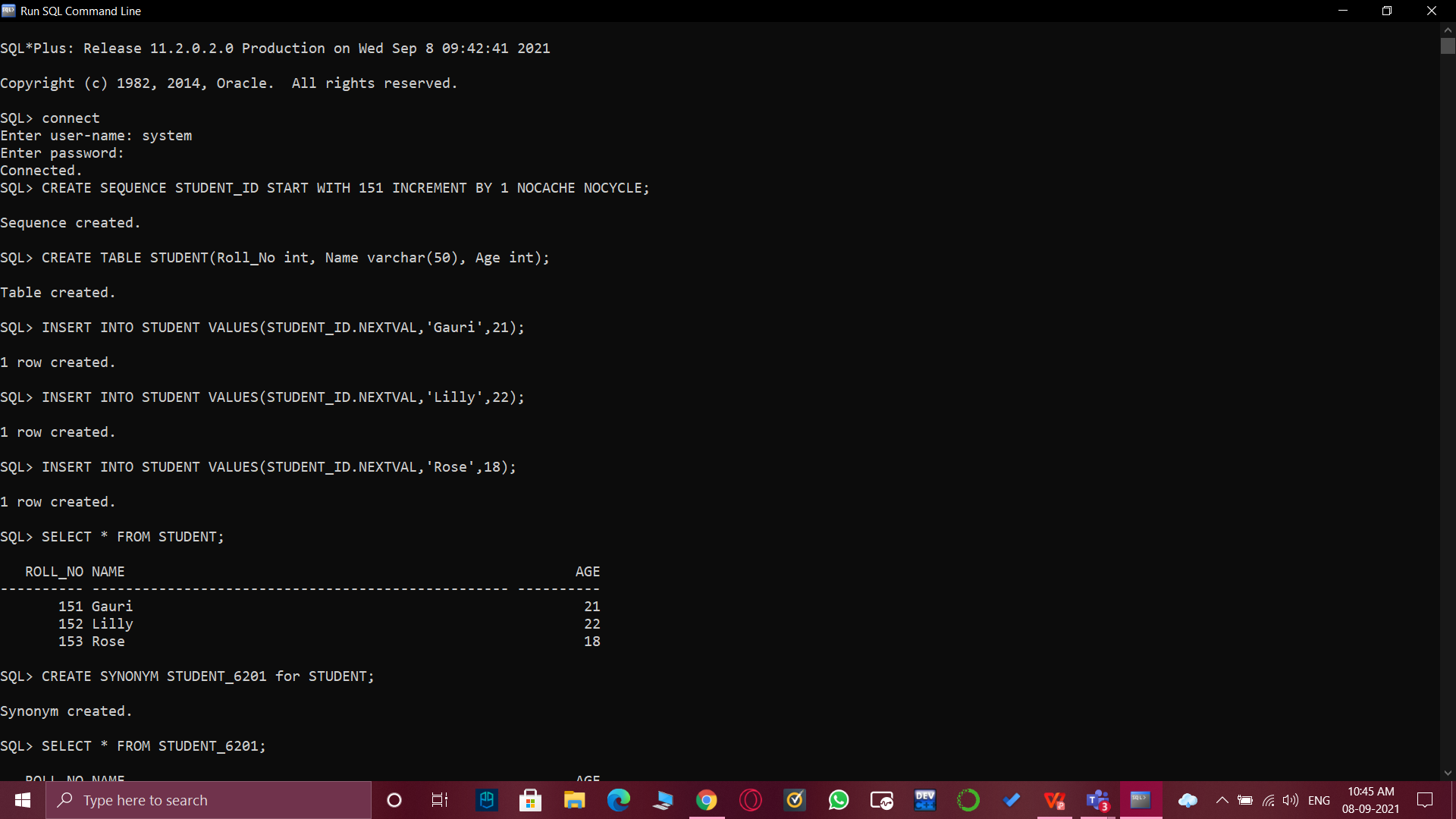
# INSERT INTO STUDENT VALUES(STUDENT\_ID.NEXTVAL,'Lilly',22);

# INSERT INTO STUDENT VALUES(STUDENT\_ID.NEXTVAL,'Rose',18);



**Returning the table and creating SYNONYM:**

1. SELECT \* FROM STUDENT;



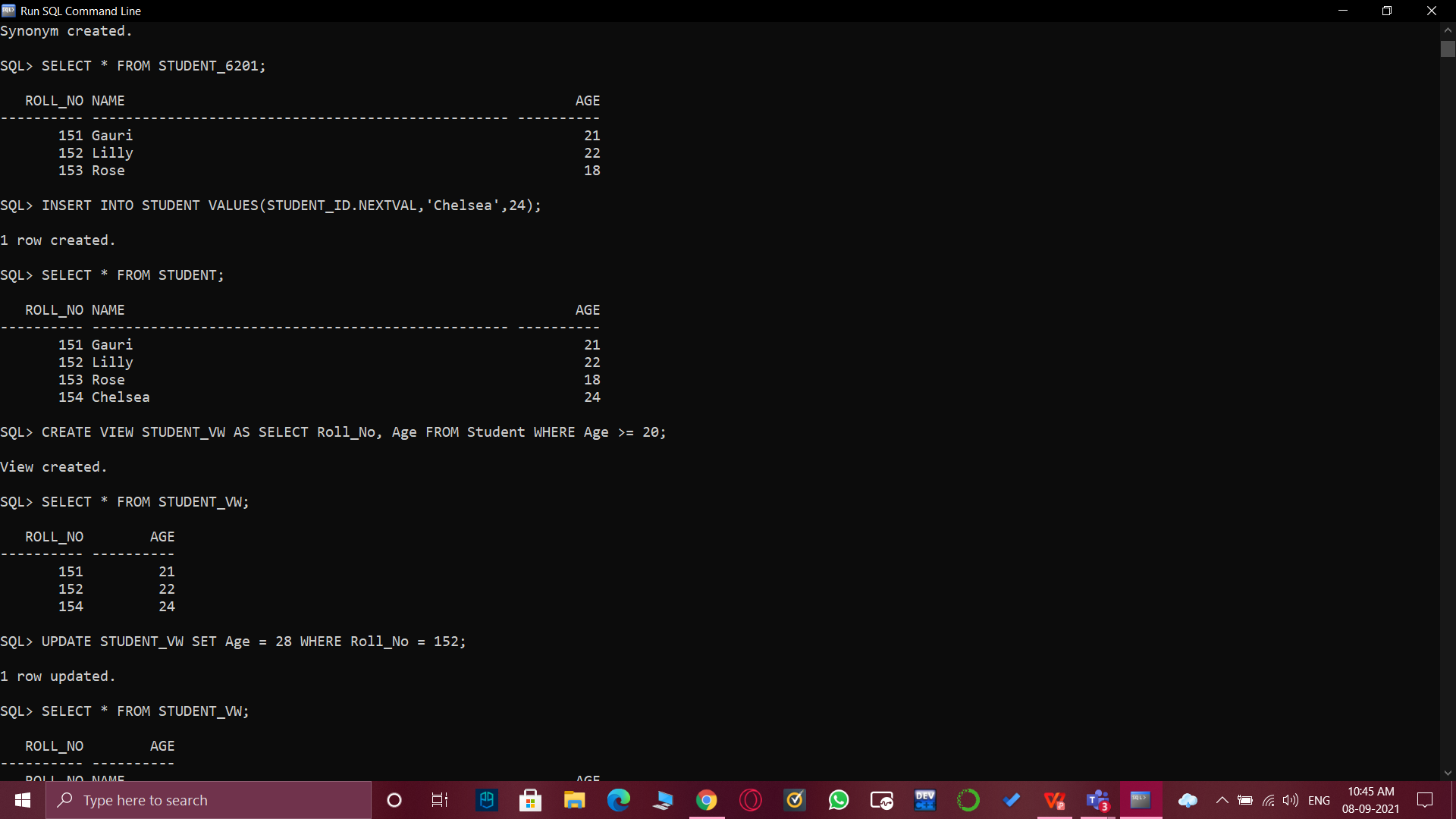
**Returning the SYNONYM table and inserting value to the original table and then returning the original table:**

1. CREATE SYNONYM STUDENT\_6201 for STUDENT;

SELECT \* FROM STUDENT\_6201;

INSERT INTO STUDENT VALUES(STUDENT\_ID.NEXTVAL,'Chelsea',24);

SELECT \* FROM STUDENT;

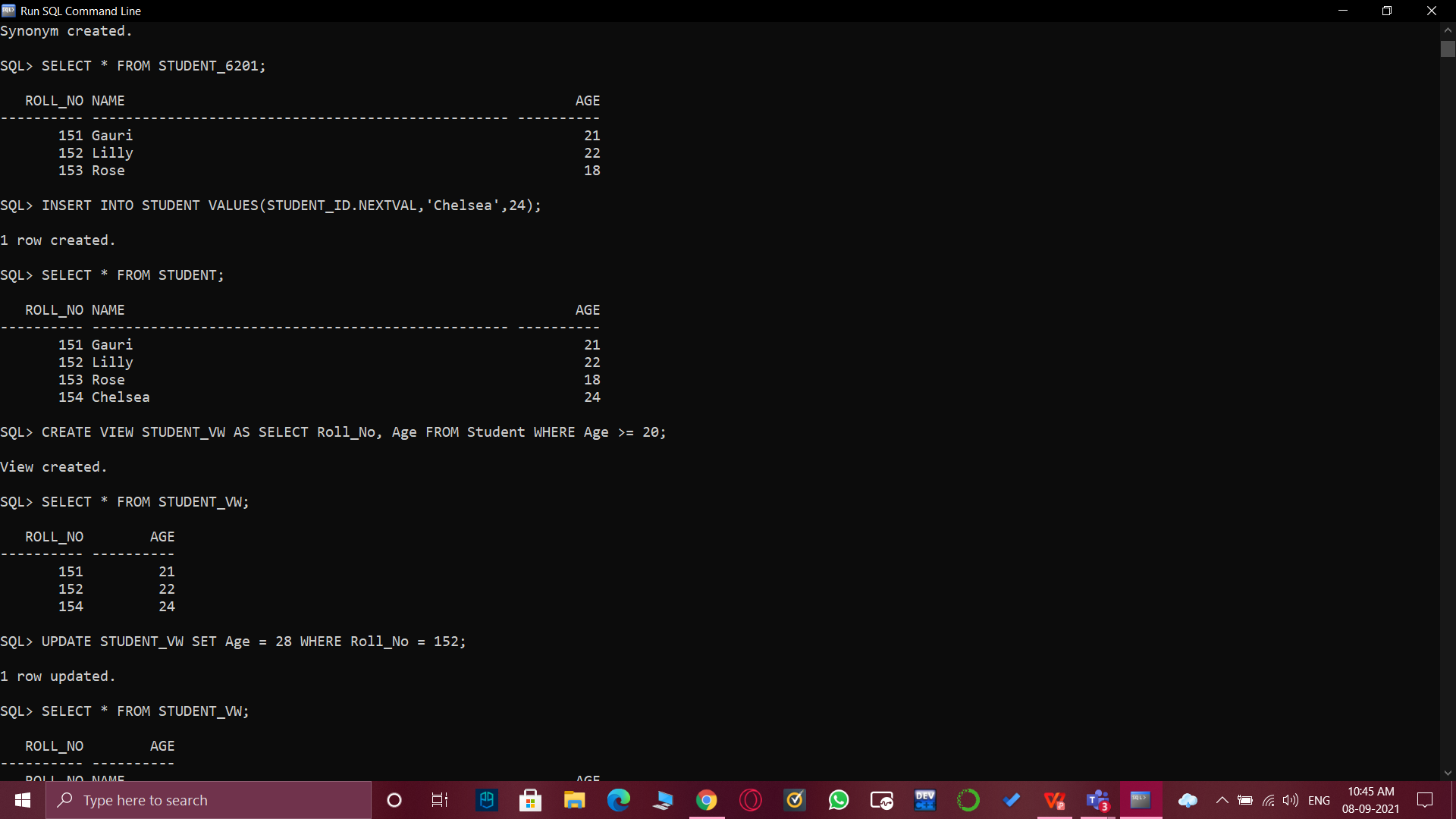


**Creating a VIEW then returning it then UPDATING the VIEW:**

1. CREATE VIEW STUDENT\_VW AS SELECT Roll\_No, Age FROM Student WHERE Age >= 20;

SELECT \* FROM STUDENT\_VW;

UPDATE STUDENT\_VW SET Age = 28 WHERE Roll\_No = 152;



**Returning the updated VIEW, creating another VIEW from the previous VIEW, returning the new VIEW and then inserting values into the new VIEW and returning the updated view:**

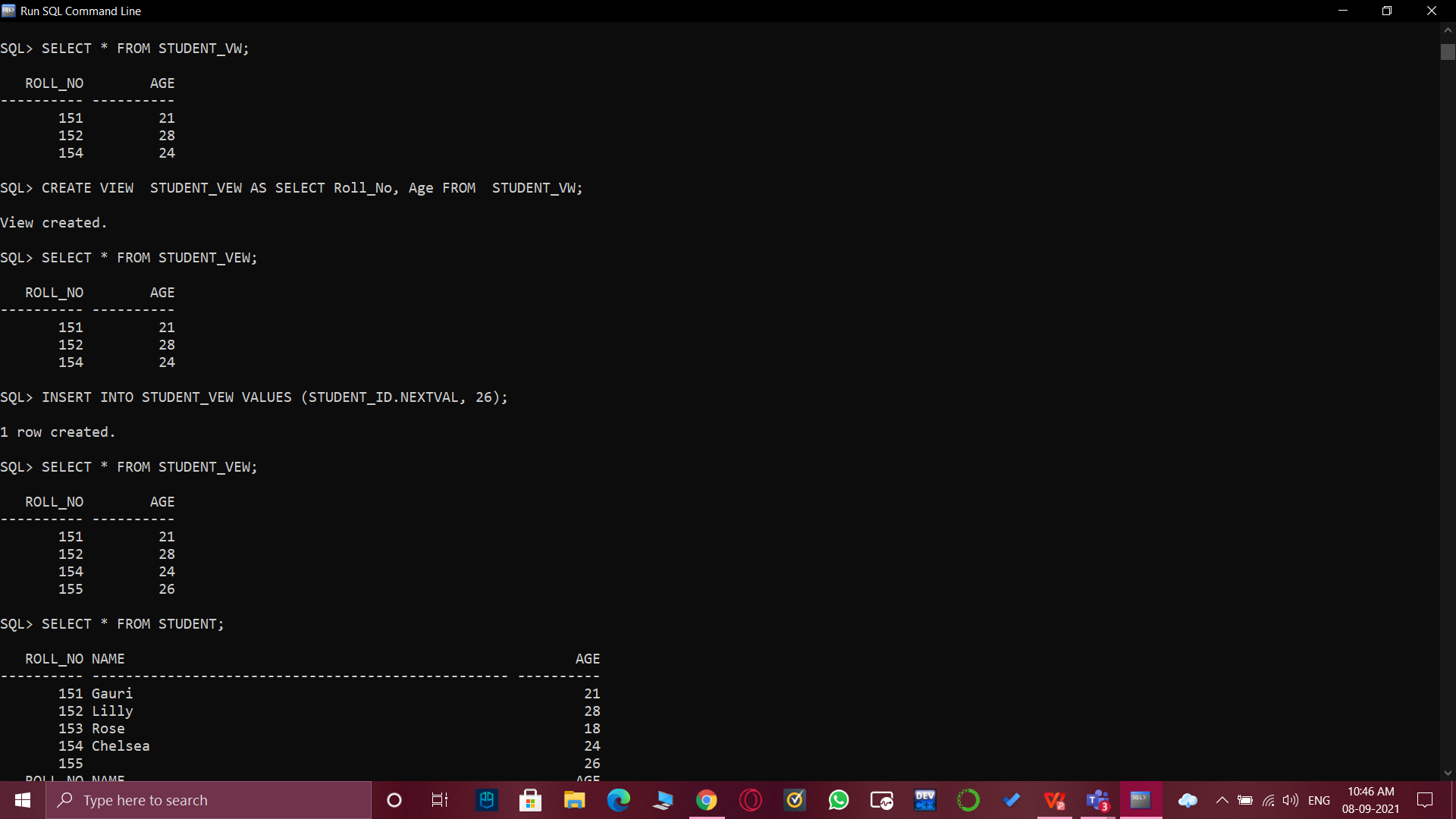
1. SELECT \* FROM STUDENT\_VW;

CREATE VIEW STUDENT\_VEW AS SELECT Roll\_No, Age FROM STUDENT\_VW;

SELECT \* FROM STUDENT\_VEW;

INSERT INTO STUDENT\_VEW VALUES (STUDENT\_ID.NEXTVAL, 26);

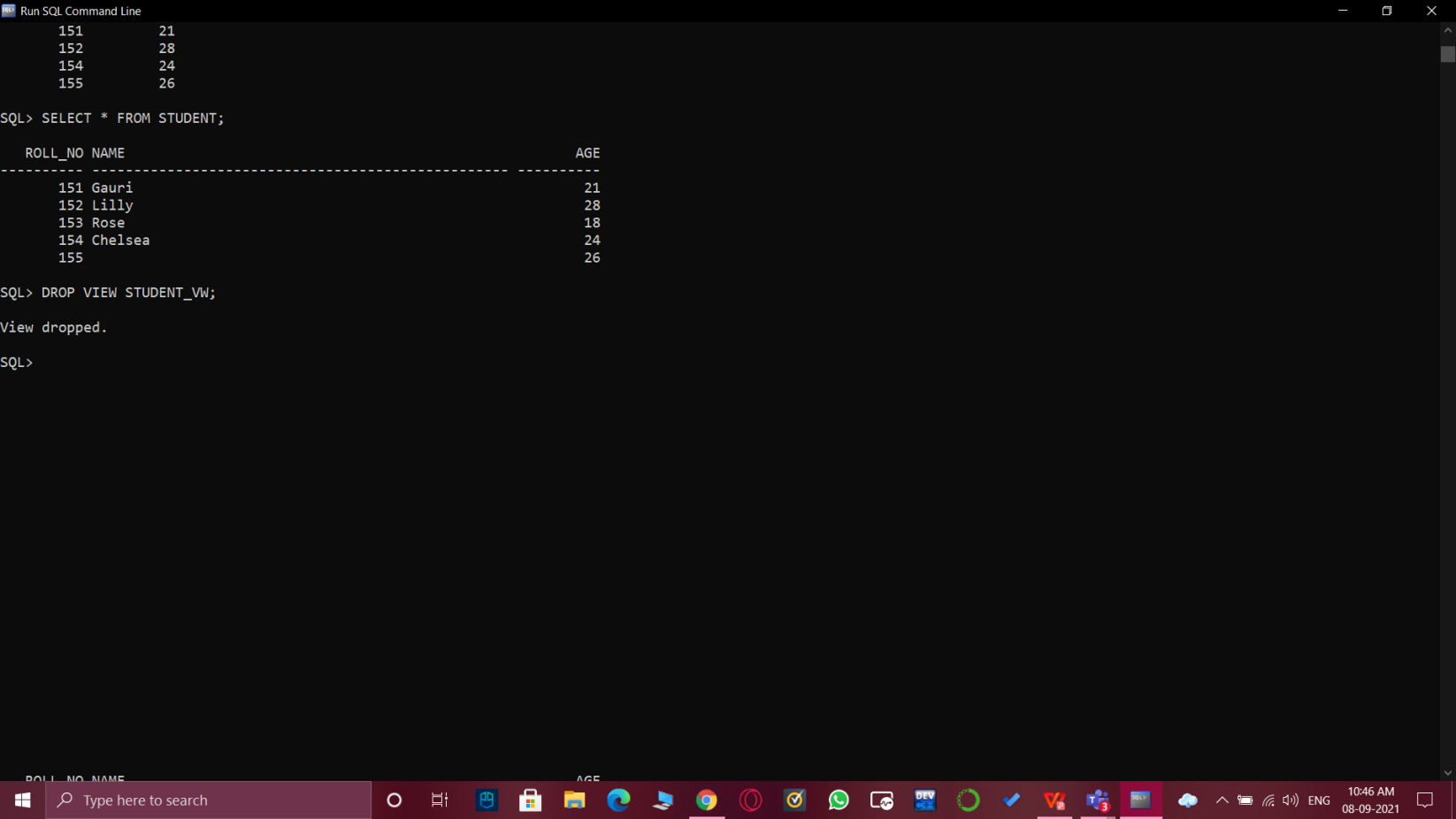
SELECT \* FROM STUDENT\_VEW;



**Returning the updated table and then DROPPING the view:**

1. SELECT \* FROM STUDENT;

DROP VIEW STUDENT\_VW;



1. **Result/Output/Writing Summary:**

* Successfully implemented Sequence, Synonym and Views.
* Successfully understood the functioning and importance of the above mentioned.
* Successfully implemented operations on the above mentioned.
* Successfully understood the working of Sequence, Synonym and Views .

# Learning outcomes (What I have learnt):

* How to implement Sequence, Synonym and Views on SQL Command Line.
* How to update Views and initialize Sequence.
* How to implement operations on Sequence, Synonym and Views and return their outcomes.

**Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):**

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Parameters | Marks Obtained | Maximum Marks |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |