01\_D7B\_\_SANJANA ASRANI

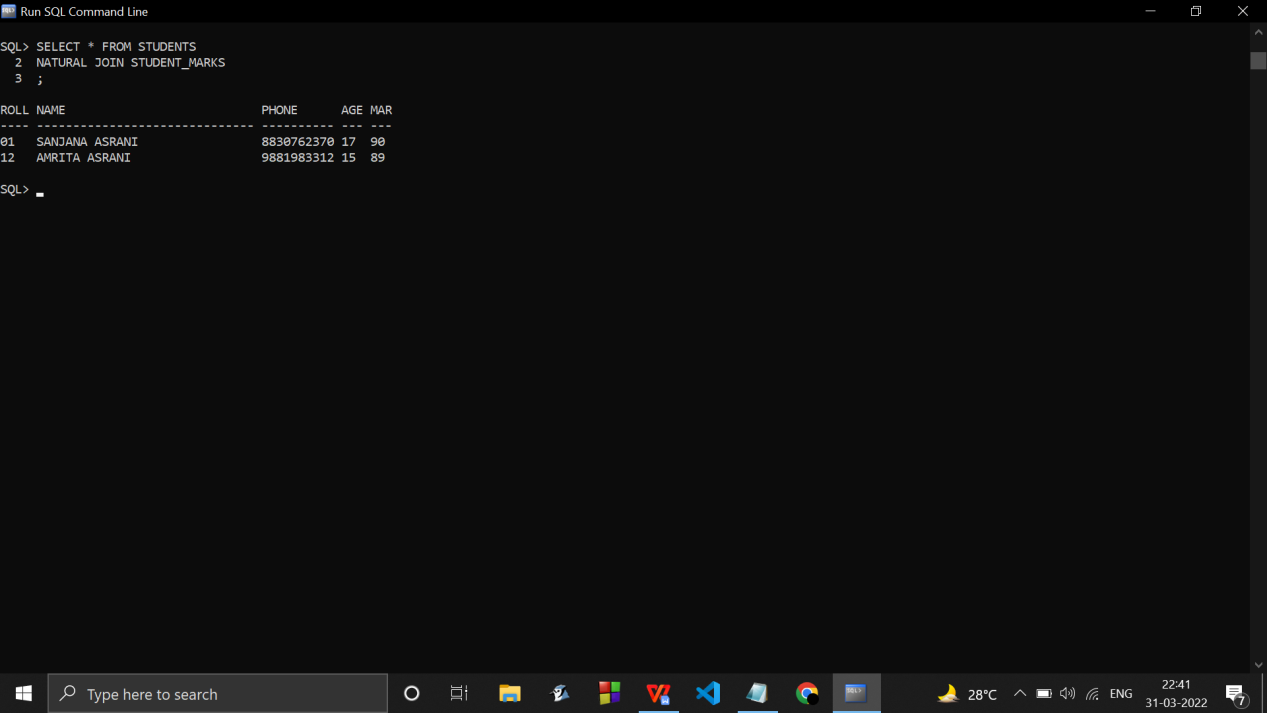
DBMS

* JOINS
* NATURAL JOIN

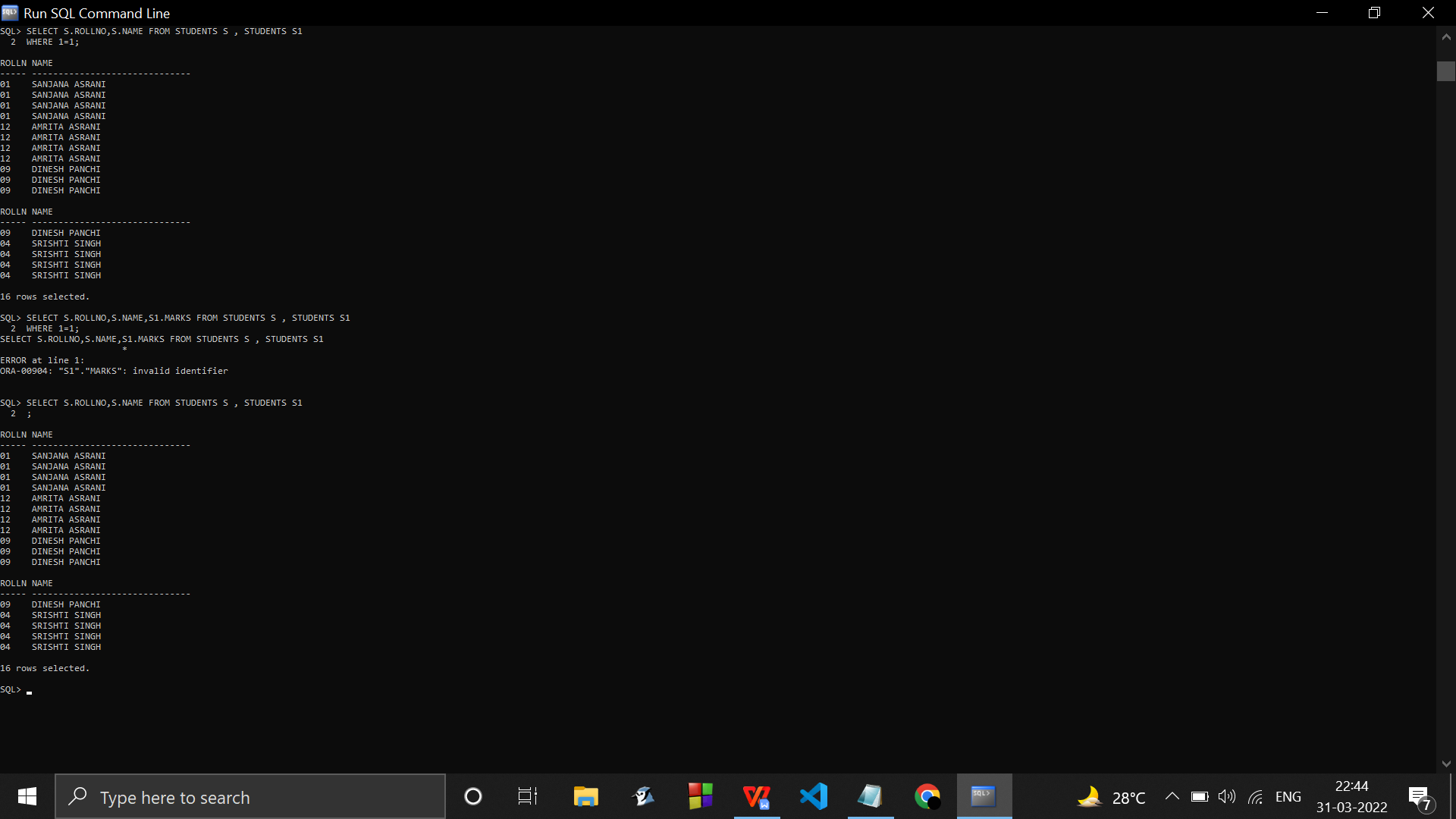
SELECT \* FROM STUDENTS

NATURAL JOIN STUDENT\_MARKS

;



* SELF JOIN



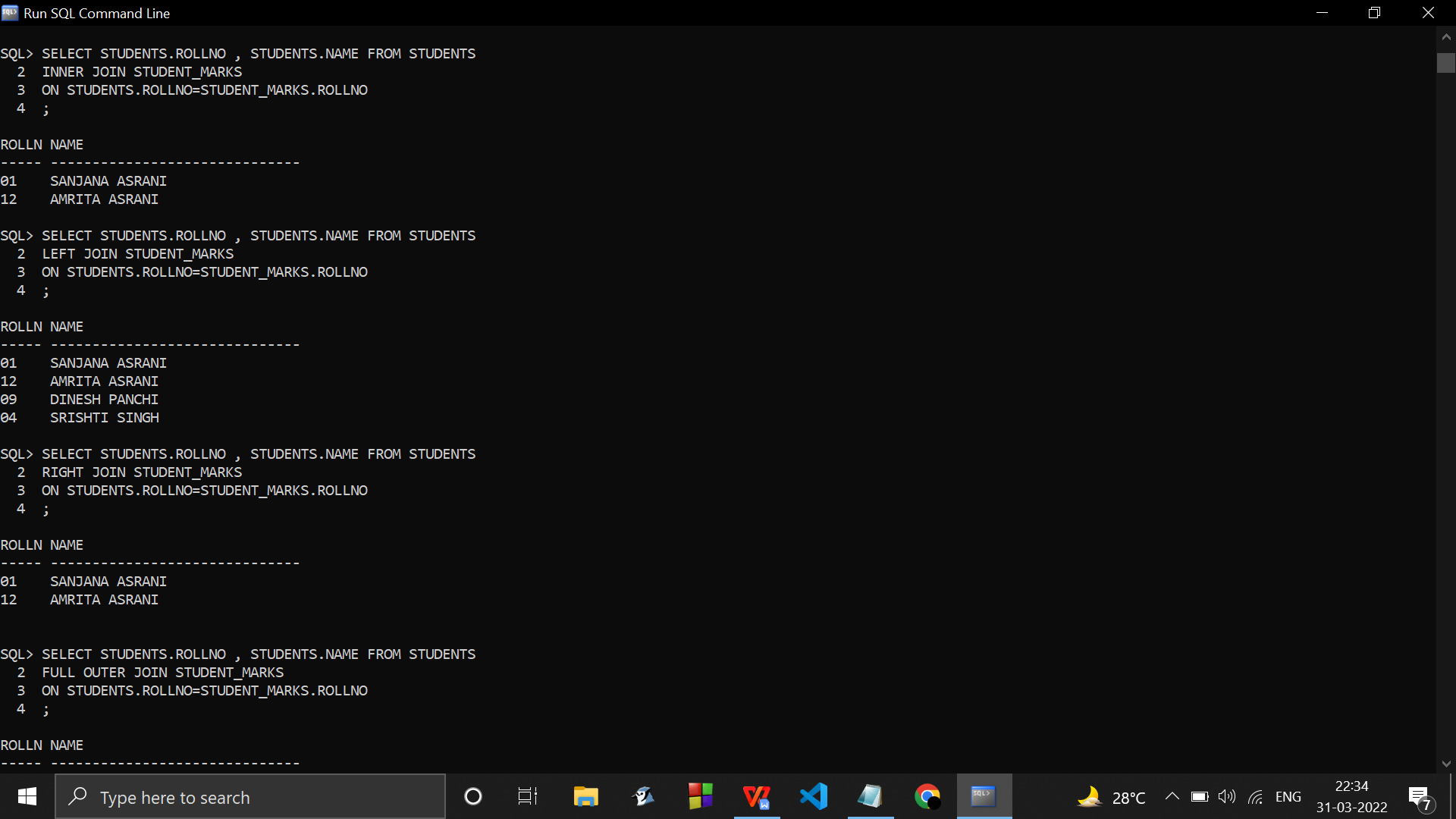
* INNER JOIN / JOIN

SELECT STUDENTS.ROLLNO , STUDENTS.NAME FROM STUDENTS

INNER JOIN STUDENT\_MARKS

ON STUDENTS.ROLLNO=STUDENT\_MARKS.ROLLNO

;



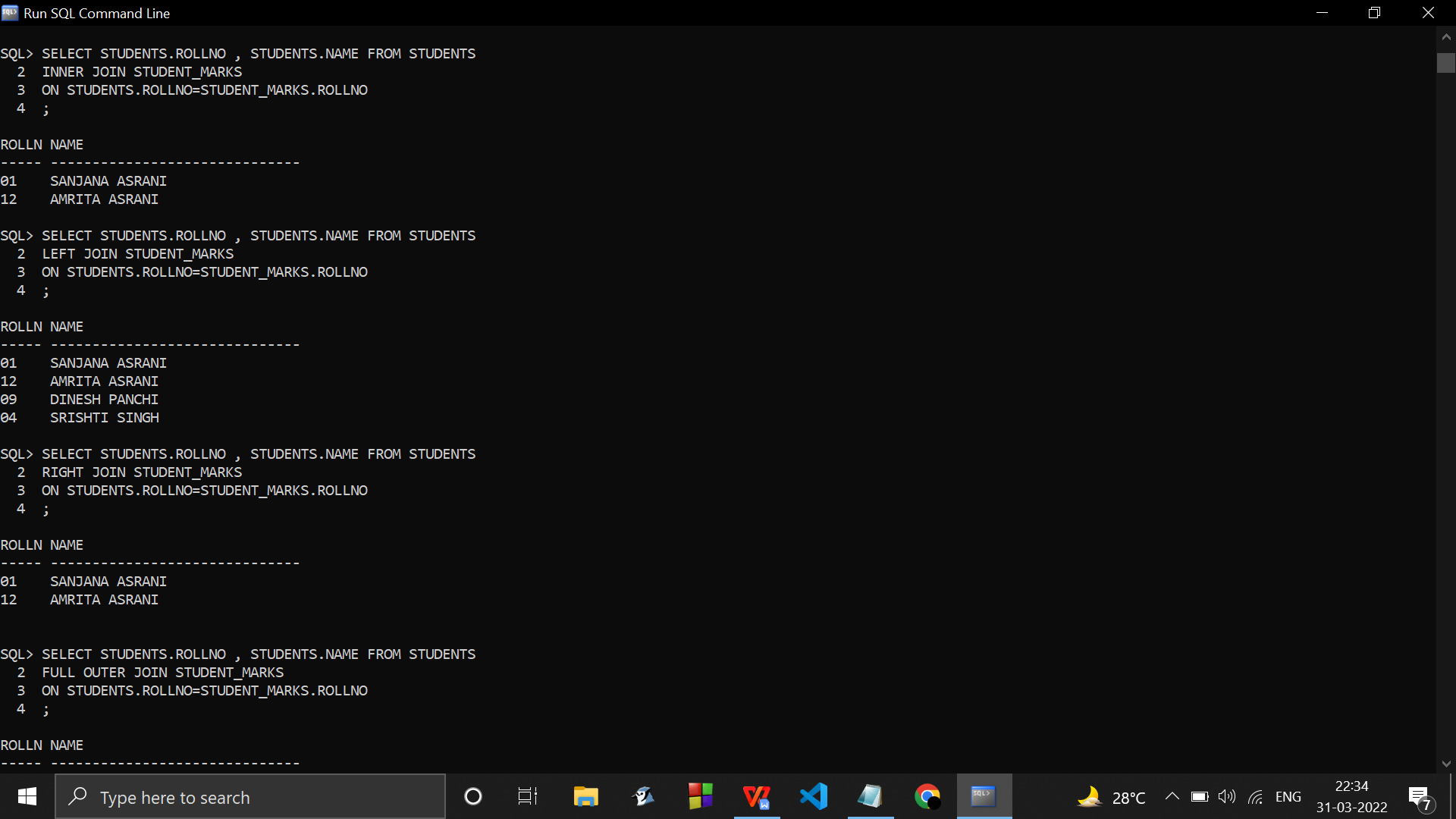
* RIGHT JOIN

SELECT STUDENTS.ROLLNO , STUDENTS.NAME FROM STUDENTS

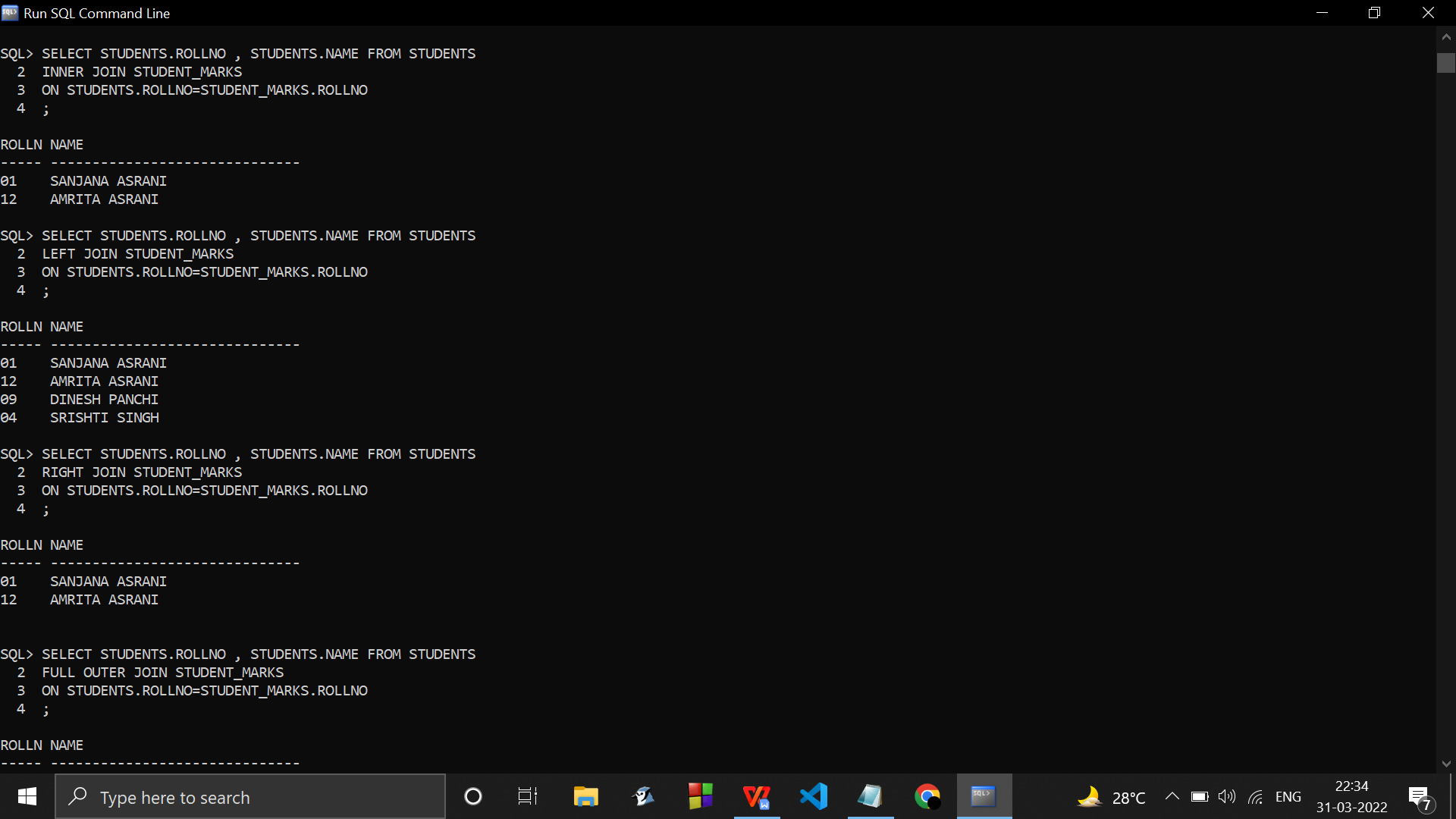
RIGHT JOIN STUDENT\_MARKS

ON STUDENTS.ROLLNO=STUDENT\_MARKS.ROLLNO

;



* LEFT JOIN



SELECT STUDENTS.ROLLNO , STUDENTS.NAME FROM STUDENTS

LEFT JOIN STUDENT\_MARKS

ON STUDENTS.ROLLNO=STUDENT\_MARKS.ROLLNO

;

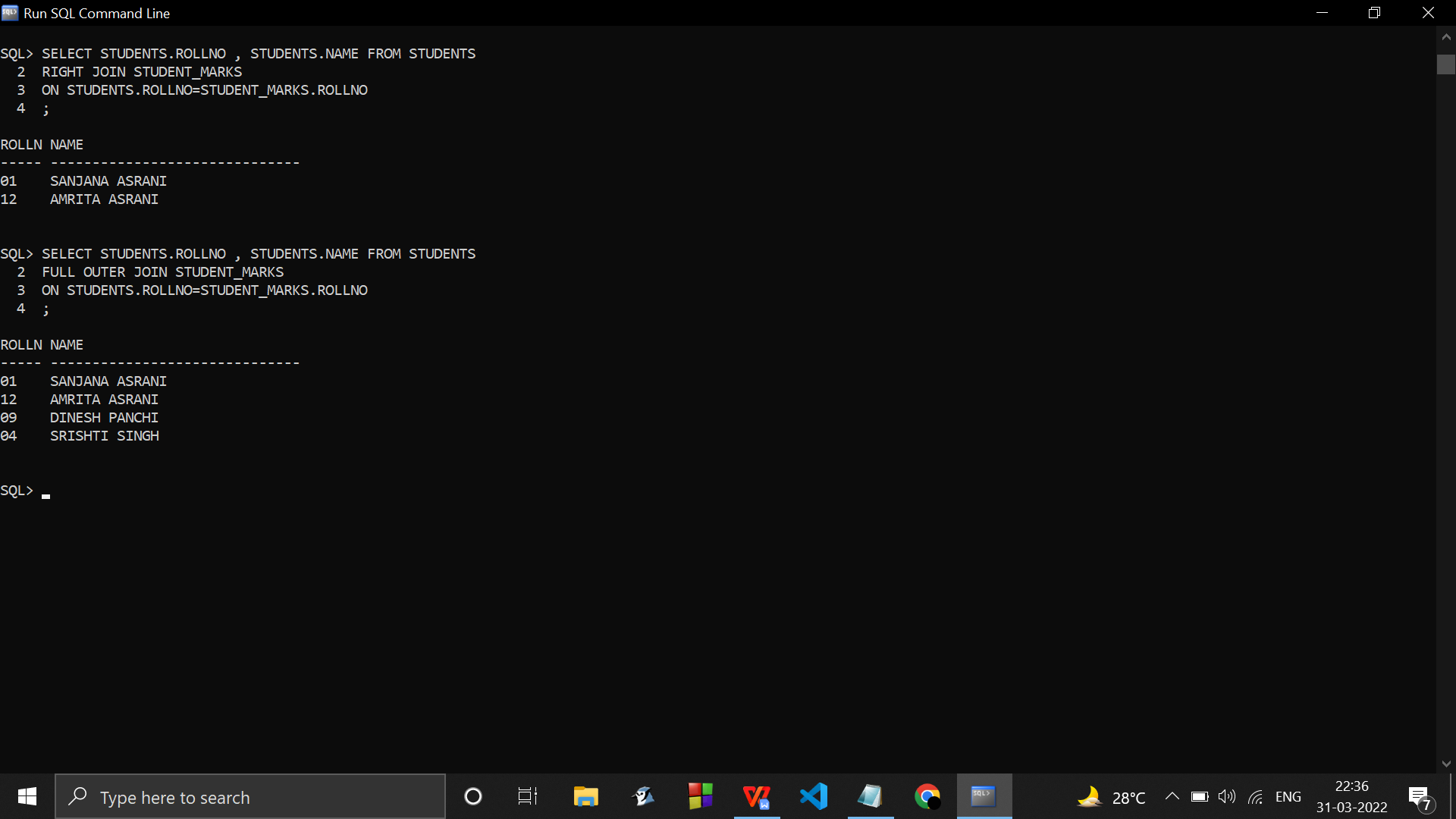
* FULL OUTER JOIN / FULL JOIN

SELECT STUDENTS.ROLLNO , STUDENTS.NAME FROM STUDENTS

FULL OUTER JOIN STUDENT\_MARKS

ON STUDENTS.ROLLNO=STUDENT\_MARKS.ROLLNO

;



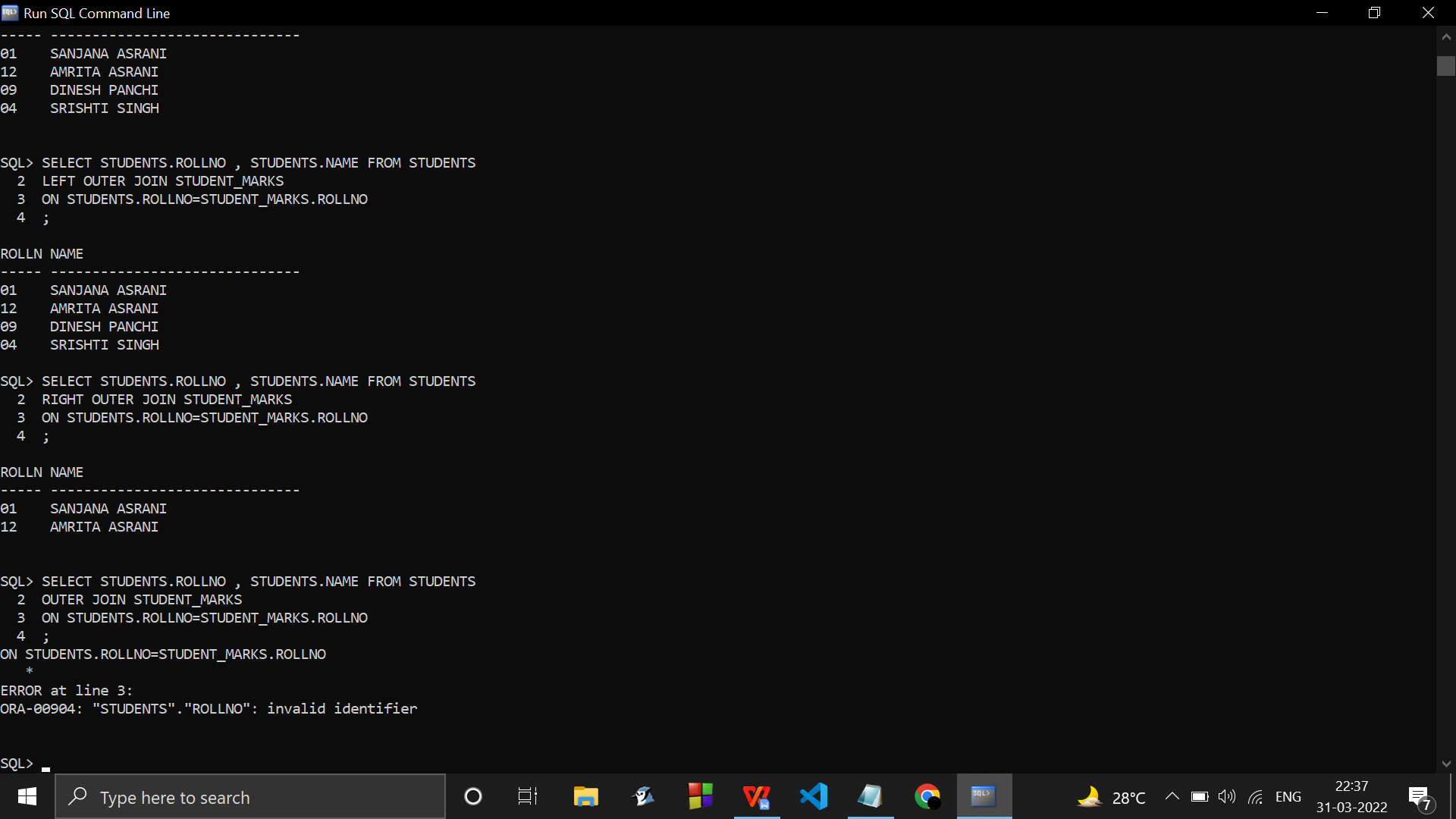
* LEFT OUTER JOIN

SELECT STUDENTS.ROLLNO , STUDENTS.NAME FROM STUDENTS

LEFT OUTER JOIN STUDENT\_MARKS

ON STUDENTS.ROLLNO=STUDENT\_MARKS.ROLLNO

;



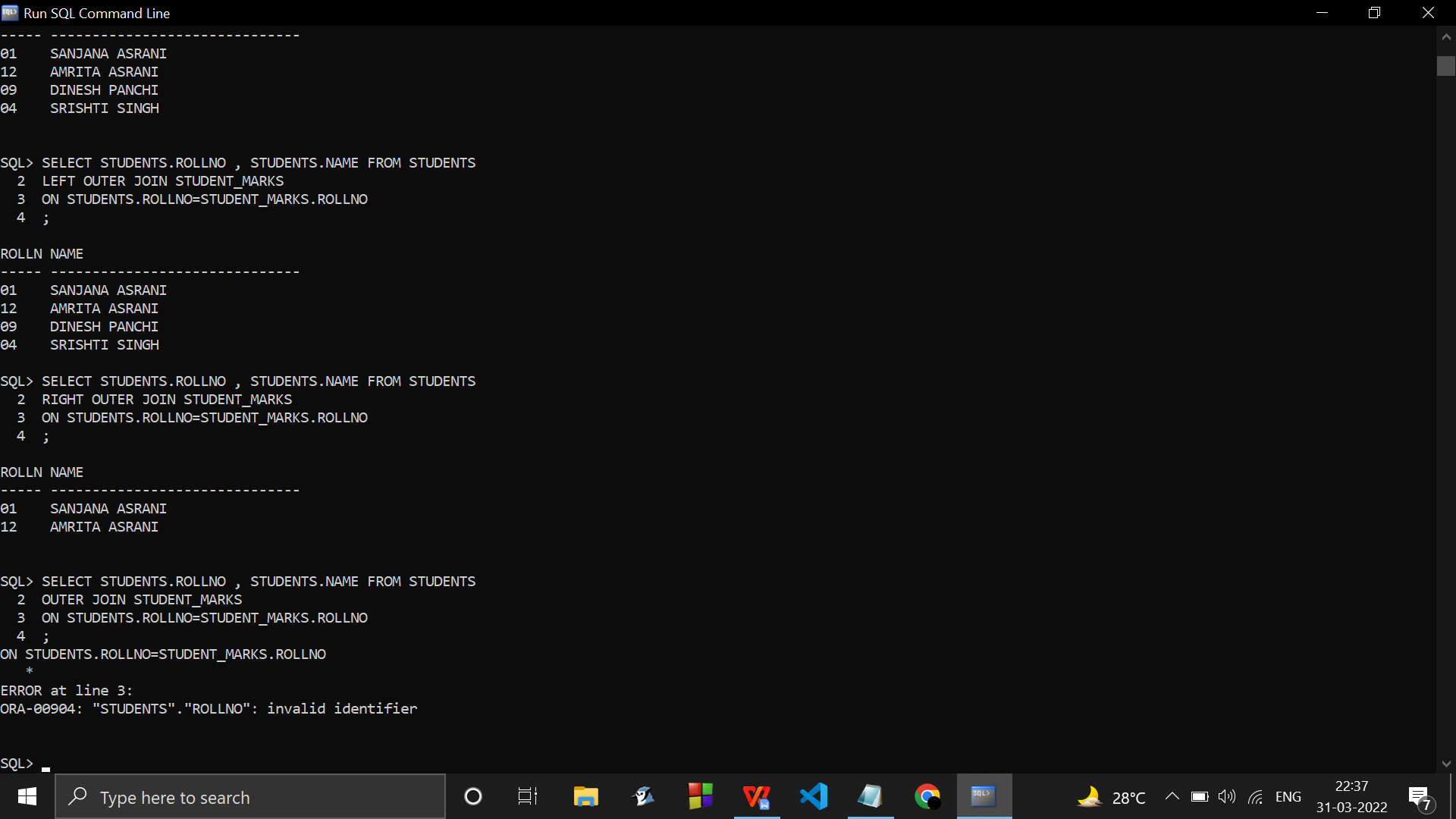
* RIGHT OUTER JOIN

SELECT STUDENTS.ROLLNO , STUDENTS.NAME FROM STUDENTS

RIGHT OUTER JOIN STUDENT\_MARKS

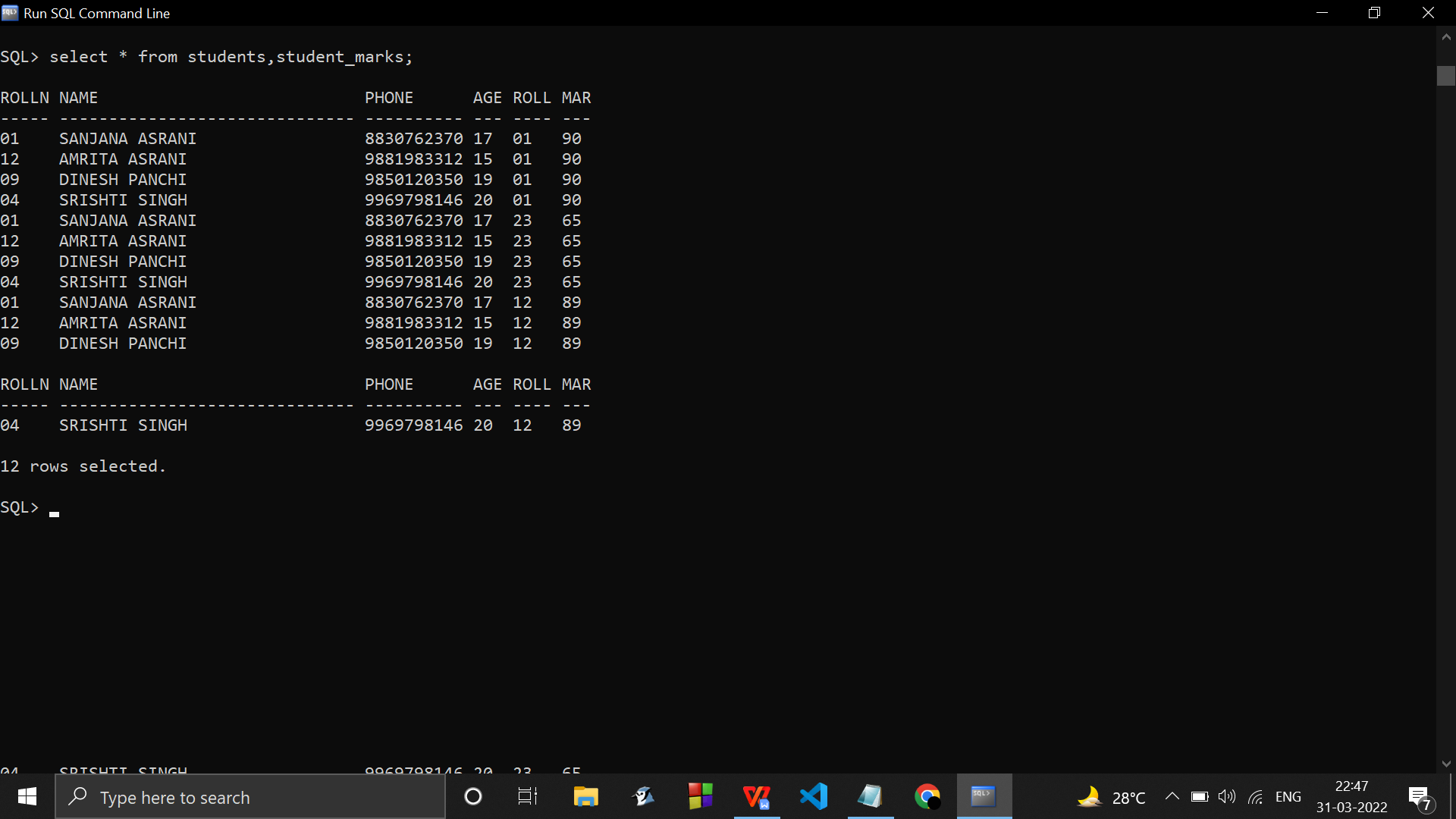
ON STUDENTS.ROLLNO=STUDENT\_MARKS.ROLLNO

;



* CROSS PRODUCT
* CROSS JOIN

select \* from students,student\_marks;



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CREATE TABLE STUDENTS(

ROLLNO VARCHAR(5),

NAME VARCHAR(30),

PHONE VARCHAR(10),

AGE VARCHAR(3)

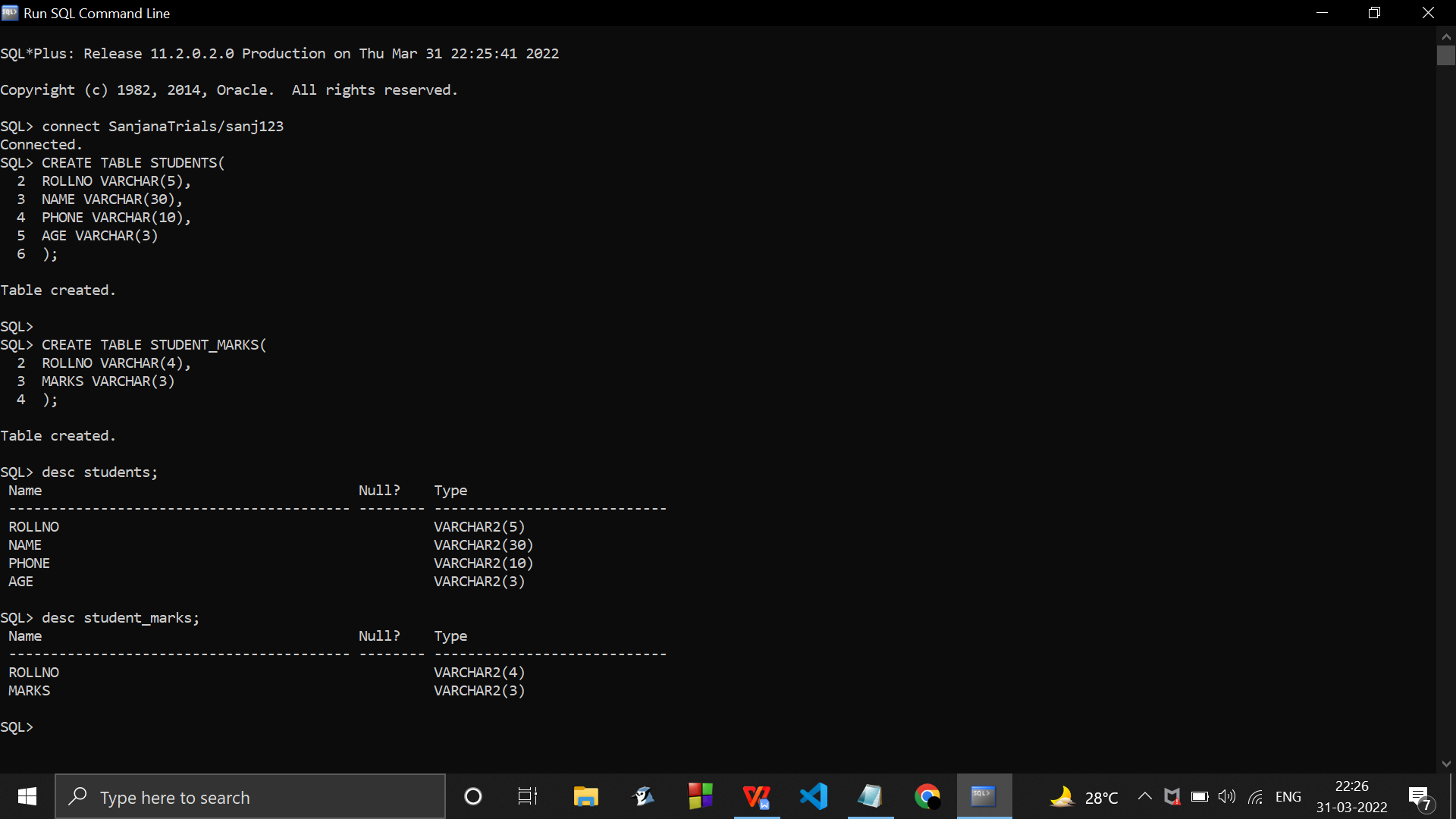
);

CREATE TABLE STUDENT\_MARKS(

ROLLNO VARCHAR(4),

MARKS VARCHAR(3)

);

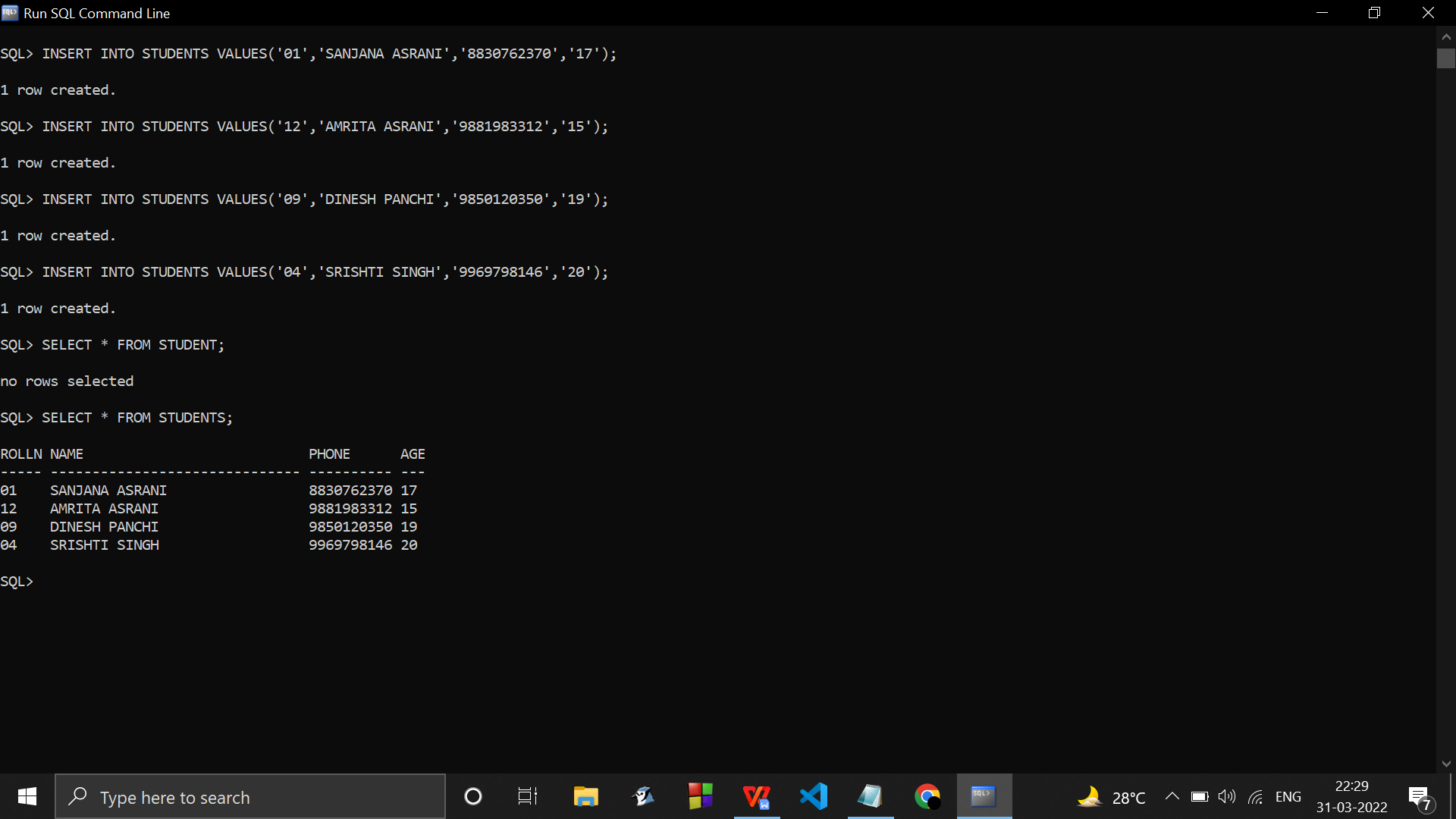


INSERT INTO STUDENTS VALUES('01','SANJANA ASRANI','8830762370','17');

INSERT INTO STUDENTS VALUES('12','AMRITA ASRANI','9881983312','15');

INSERT INTO STUDENTS VALUES('09','DINESH PANCHI','9850120350','19');

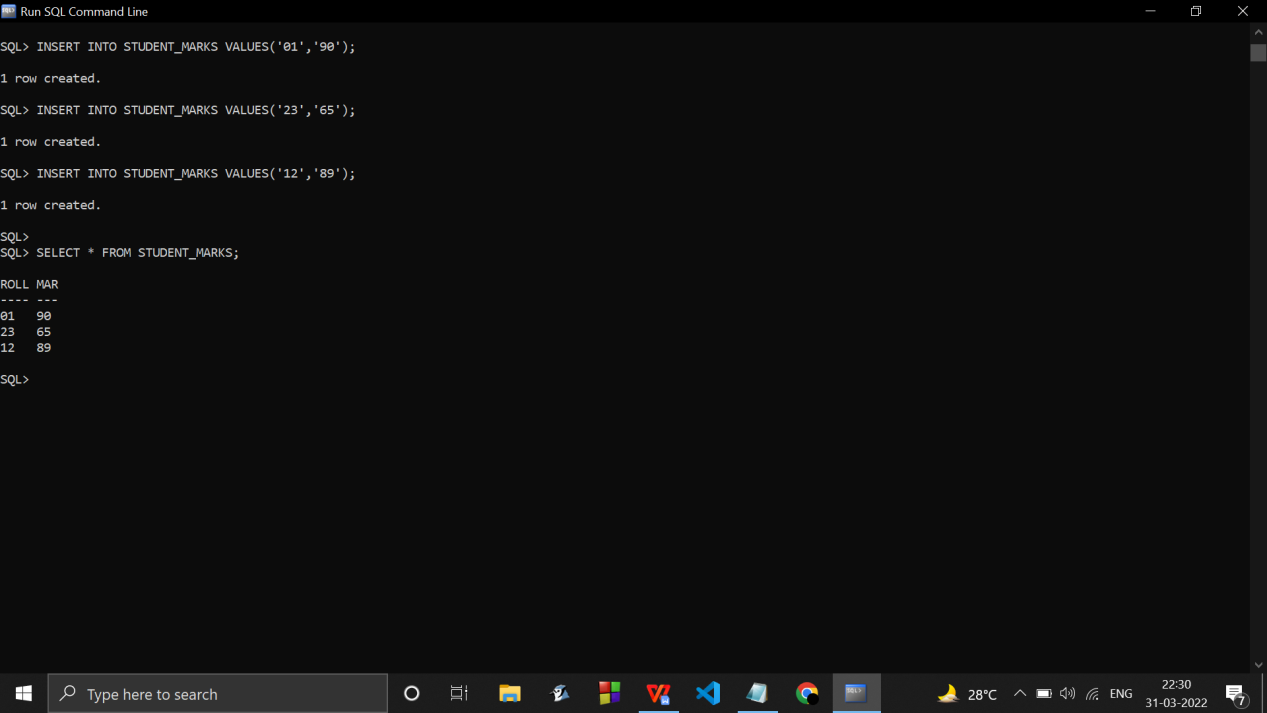
INSERT INTO STUDENTS VALUES('04','SRISHTI SINGH','9969798146','20');



INSERT INTO STUDENT\_MARKS VALUES('01','90');

INSERT INTO STUDENT\_MARKS VALUES('23','65');

INSERT INTO STUDENT\_MARKS VALUES('12','89');



….…………………………………………………………………………………………………………………………………………………

* Transactions

Schedule 1

Serial & parallel ……