**Database Management System Lab**

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**Register Number**- RA1911030010075

**Section** - O2

**Experiment** - 2

**Aim**: To write SQL Queries to execute different DML commands

1. Database created for this exercise is

CREATE TABLE "AGENTS"

(

"AGENT\_CODE" CHAR(6) NOT NULL PRIMARY KEY,

"AGENT\_NAME" CHAR(40),

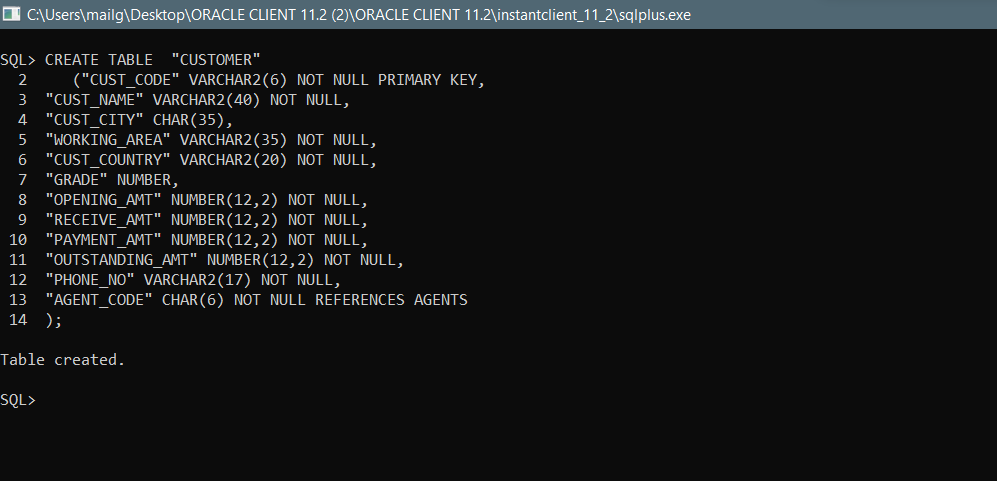
"WORKING\_AREA" CHAR(35),

"COMMISSION" NUMBER(10,2),

"PHONE\_NO" CHAR(15),

"COUNTRY" VARCHAR2(25)

);



1. **SELECT:**
2. Used to query or fetch selected fields or columns from a database table

Syntax,

SELECT column\_name1, column\_name2, …

FROM table\_name

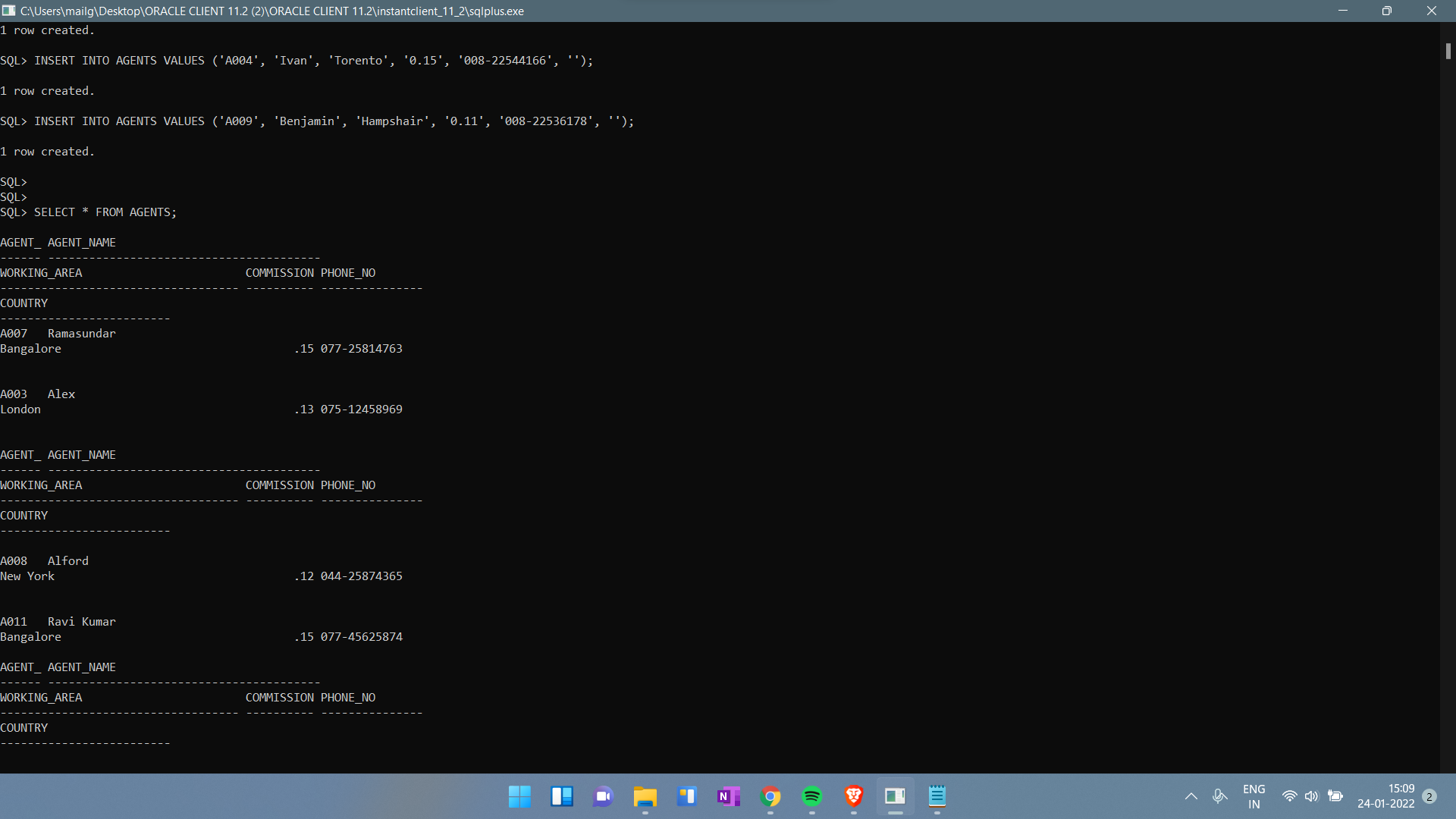
WHERE condition\_ expression;

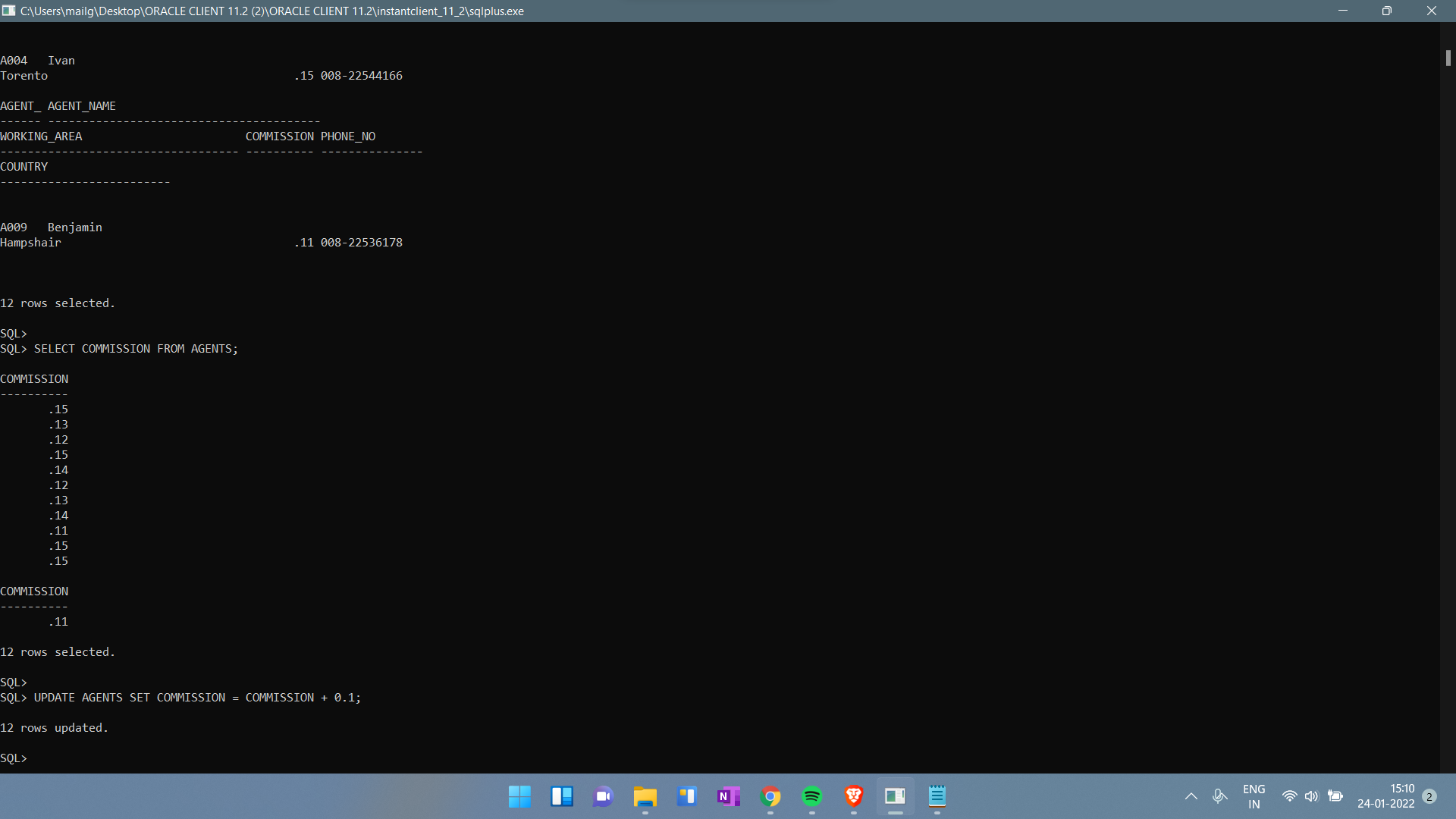
Example:

Select customer\_id, sale\_date, order\_id, store\_state from customers;

Select \* from customers;

SELECT \* FROM AGENTS;





1. **INSERT**

* Used to insert new data records or rows in the database table

Syntax,

INSERT INTO table\_name (column\_name\_1, column\_name\_2, column\_name\_3, ...)

VALUES (value1, value2, value3, ...)

Example:

INSERT INTO sales(

customer\_id, sale\_date, sale\_amount, salesperson, store\_state, order\_id)

VALUES (1005,TO\_DATE('2019-12-12','YYYY-MM-DD),4200,'R K Rakesh','MH','1007');

(or)

INSERT INTO customers

VALUES ('1006','2020-03-04',3200,'DL', '1008');

INSERT INTO AGENTS VALUES ('A007', 'Ramasundar', 'Bangalore', '0.15', '077-25814763', '');

INSERT INTO AGENTS VALUES ('A003', 'Alex ', 'London', '0.13', '075-12458969', '');

INSERT INTO AGENTS VALUES ('A008', 'Alford', 'New York', '0.12', '044-25874365', '');

INSERT INTO AGENTS VALUES ('A011', 'Ravi Kumar', 'Bangalore', '0.15', '077-45625874', '');

INSERT INTO AGENTS VALUES ('A010', 'Santakumar', 'Chennai', '0.14', '007-22388644', '');

INSERT INTO AGENTS VALUES ('A012', 'Lucida', 'San Jose', '0.12', '044-52981425', '');

INSERT INTO AGENTS VALUES ('A005', 'Anderson', 'Brisban', '0.13', '045-21447739', '');

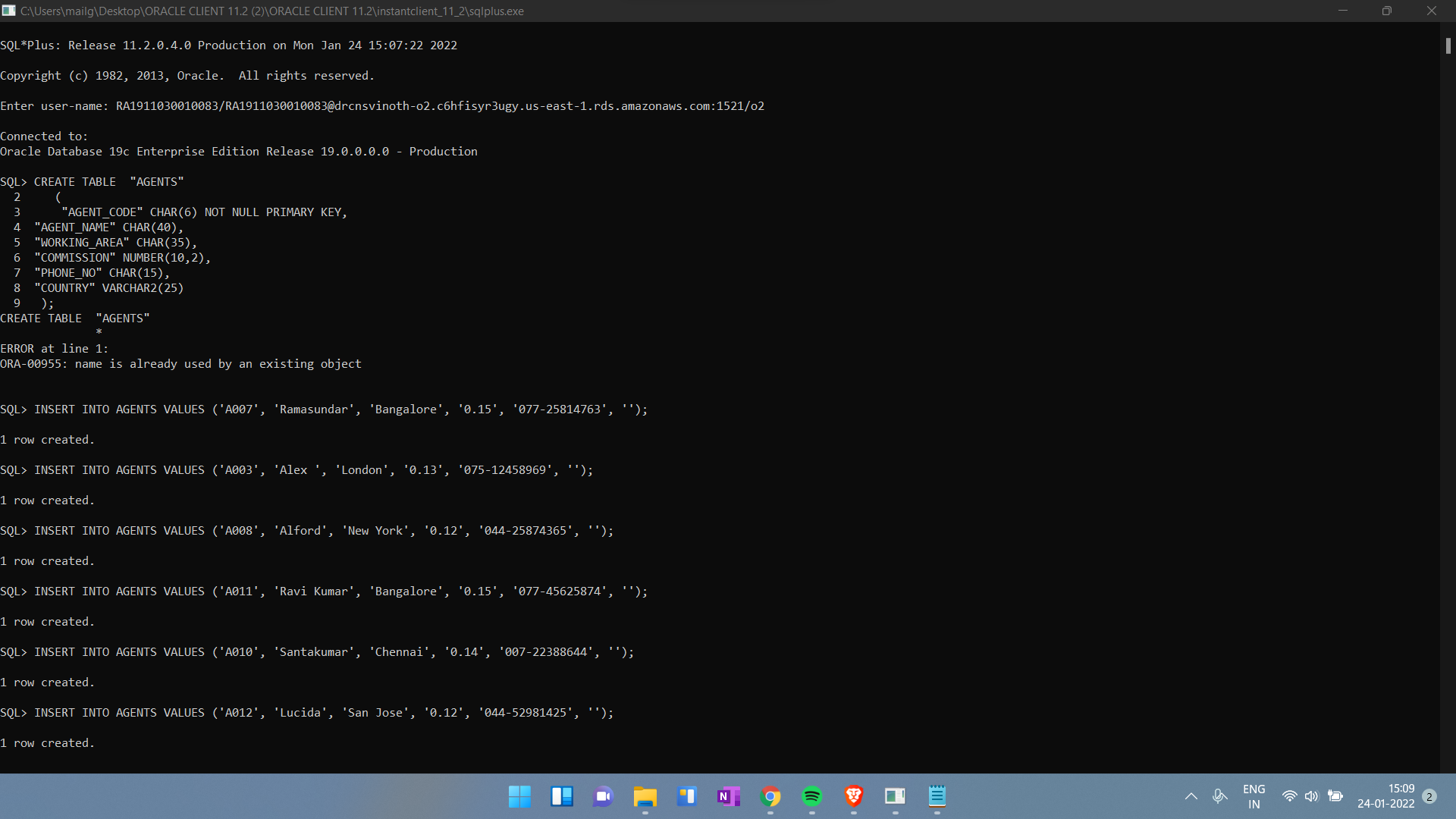
INSERT INTO AGENTS VALUES ('A001', 'Subbarao', 'Bangalore', '0.14', '077-12346674', '');

INSERT INTO AGENTS VALUES ('A002', 'Mukesh', 'Mumbai', '0.11', '029-12358964', '');

INSERT INTO AGENTS VALUES ('A006', 'McDen', 'London', '0.15', '078-22255588', '');

INSERT INTO AGENTS VALUES ('A004', 'Ivan', 'Torento', '0.15', '008-22544166', '');

INSERT INTO AGENTS VALUES ('A009', 'Benjamin', 'Hampshair', '0.11', '008-22536178', '');



1. **UPDATE:**

Used to set the value of a field or column for a particular record to a new value

**Syntax,**

**UPDATE table\_name**

**SET column\_name\_1 = value1, column\_name\_2 = value2, ...**

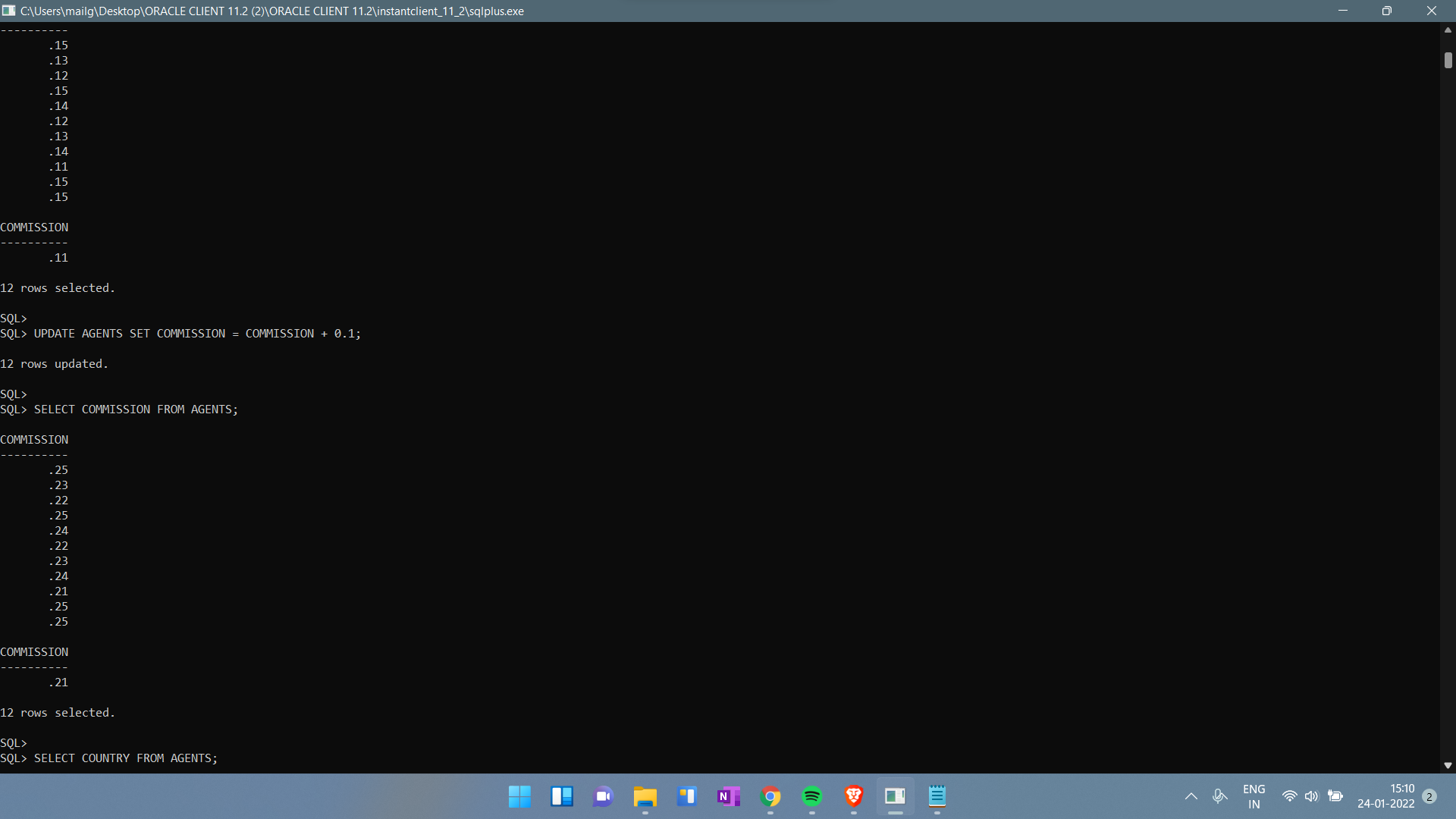
**WHERE condition;**

Example,

UPDATE customers

SET store\_state = 'DL'

WHERE store\_state = 'NY';



1. **DELETE**

* Used to remove one or more rows from the database table

**Syntax,**

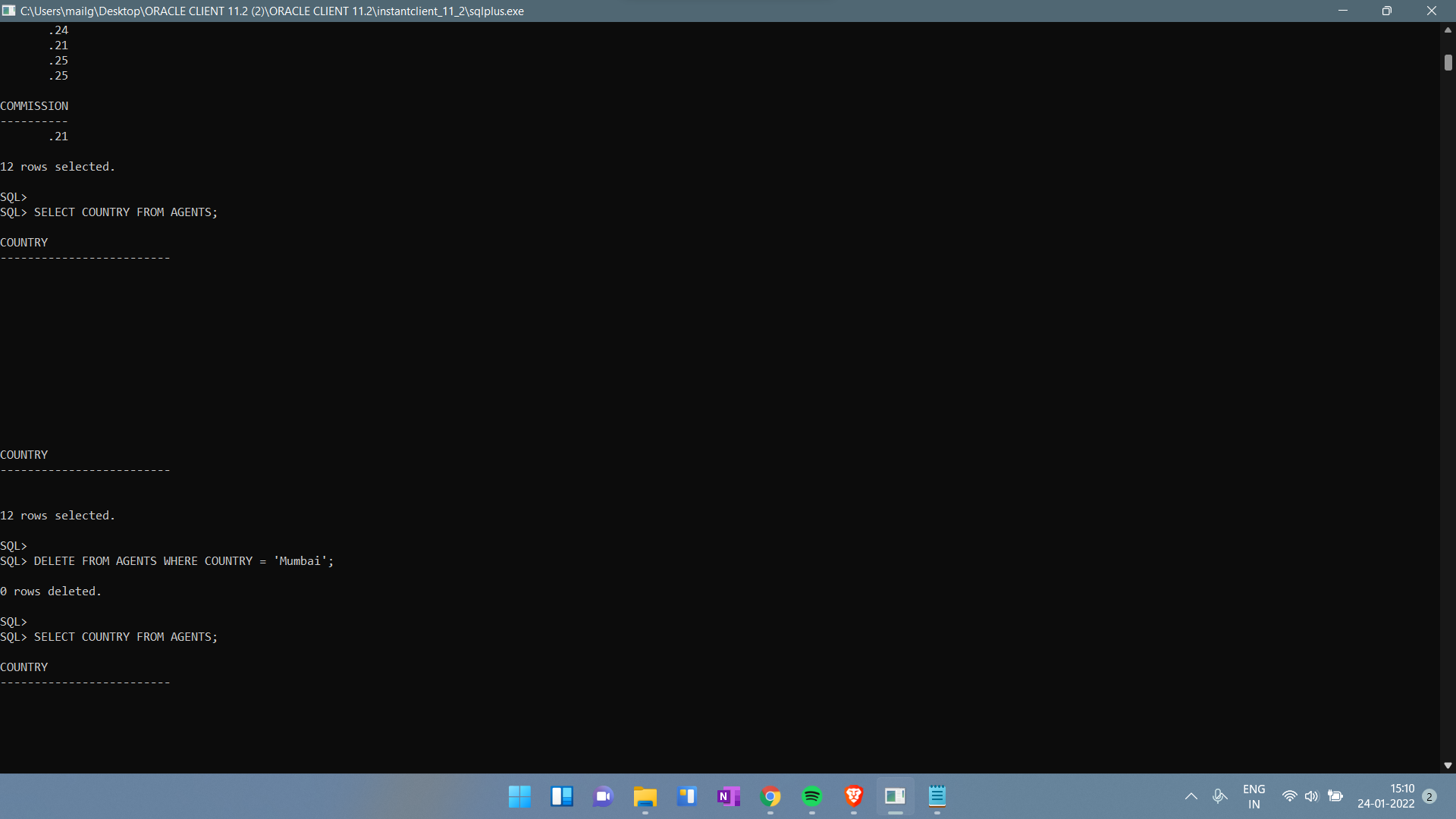
**DELETE FROM table\_name WHERE condition;**

Example,

DELETE FROM customers

WHERE store\_state = 'MH'

AND customer\_id = '1001';



**Result:**

Thus, the DML commands are used to modify or manipulate data records present in the customer database tables.