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| --- | --- | --- | --- |
| **Class: FYMCA Div:A**  **Semester: 2** | **Course Code:**  **MCA01555**  **Course Name:Database Systems Laboratory** | | **Batch: F2** |
| **Name: Pranav Raju Malwatkar** | | **Roll No: 51037** | |
| **CO No: CO516.2** | | **Assignment No:3** | |

**PRACTICAL SUBMISSION RECORD- A.Y. 2024-25**

**Title: Create the following tables. Insert the appropriate data in these tables and solve the queries**

**1.Client\_master (client\_no, name, address1, address2, city,pincode,state,bal\_due)**

**Constraints:Client\_master( Client\_no is PK & first letter must start with ‘C’ , Name Not NULL)**

**Query(create table):**

CREATE TABLE Client\_master (

client\_no CHAR(5) PRIMARY KEY CHECK (client\_no LIKE 'C%'),

name VARCHAR(100) NOT NULL,

address1 VARCHAR(255),

address2 VARCHAR(255),

city VARCHAR(100),

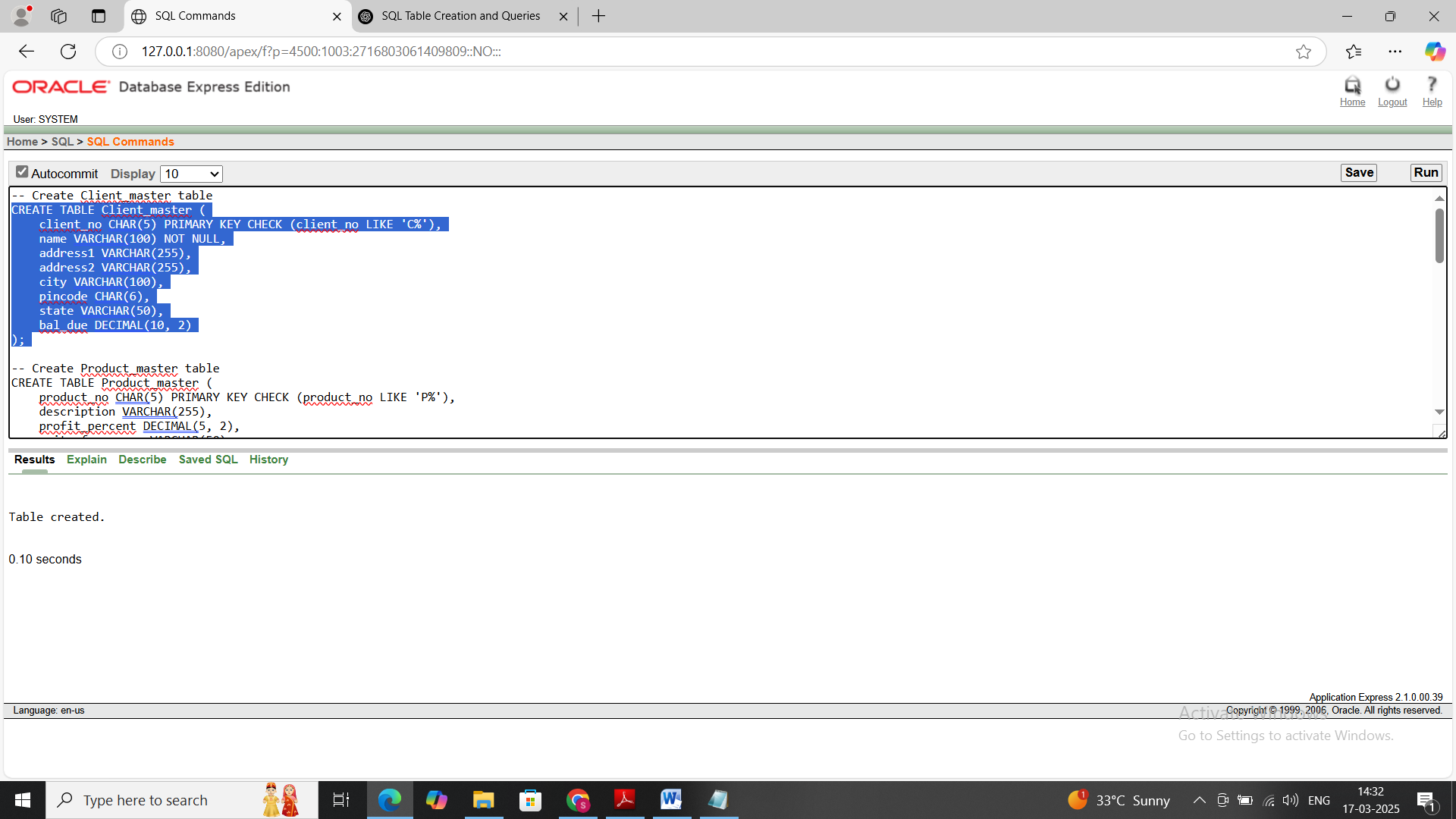
pincode CHAR(6),

state VARCHAR(50),

bal\_due DECIMAL(10, 2)

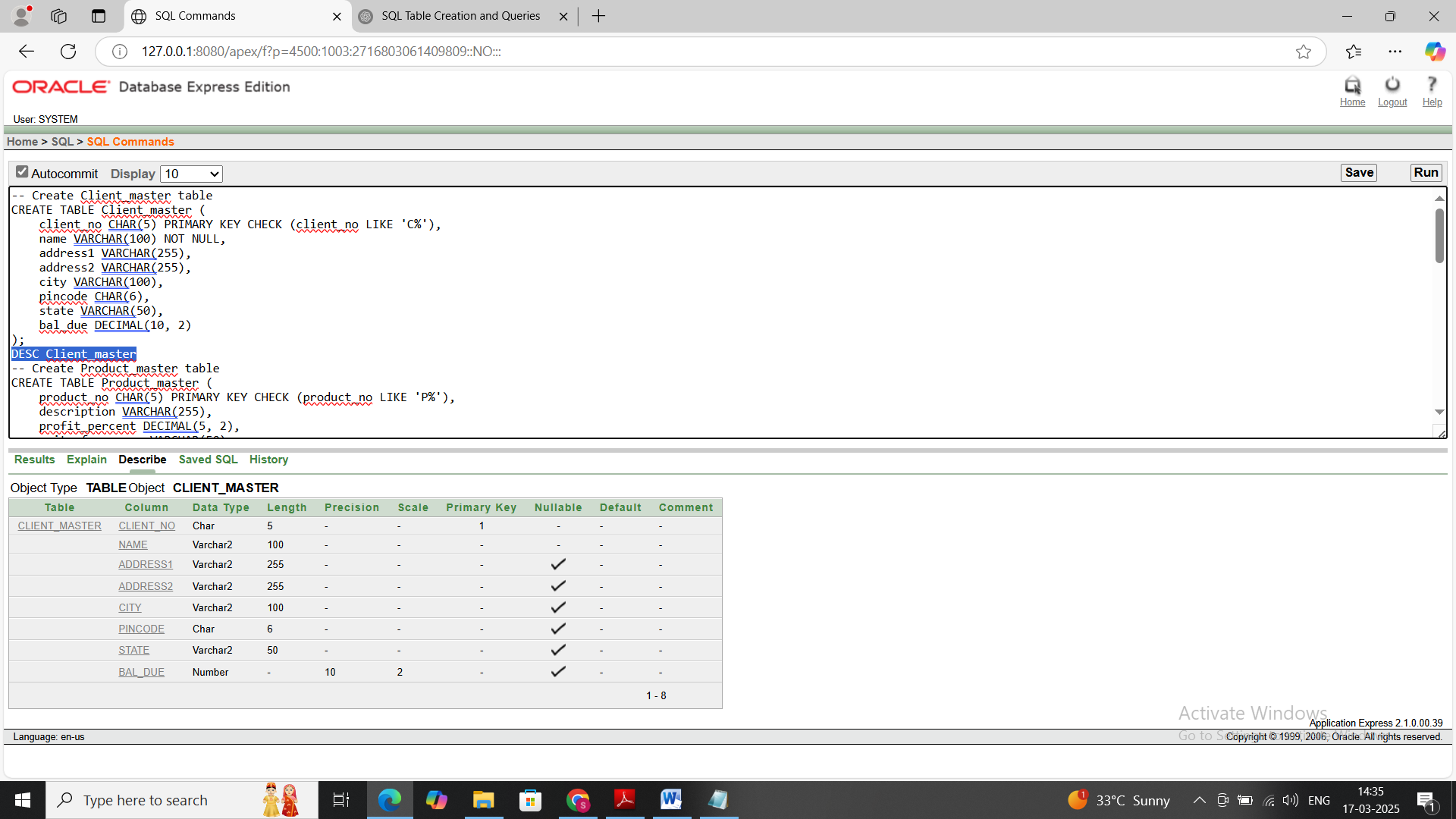
);

**Output:**



**Query(desc table):**

DESC Client\_master



**Query(insert into table):**

INSERT INTO Client\_master

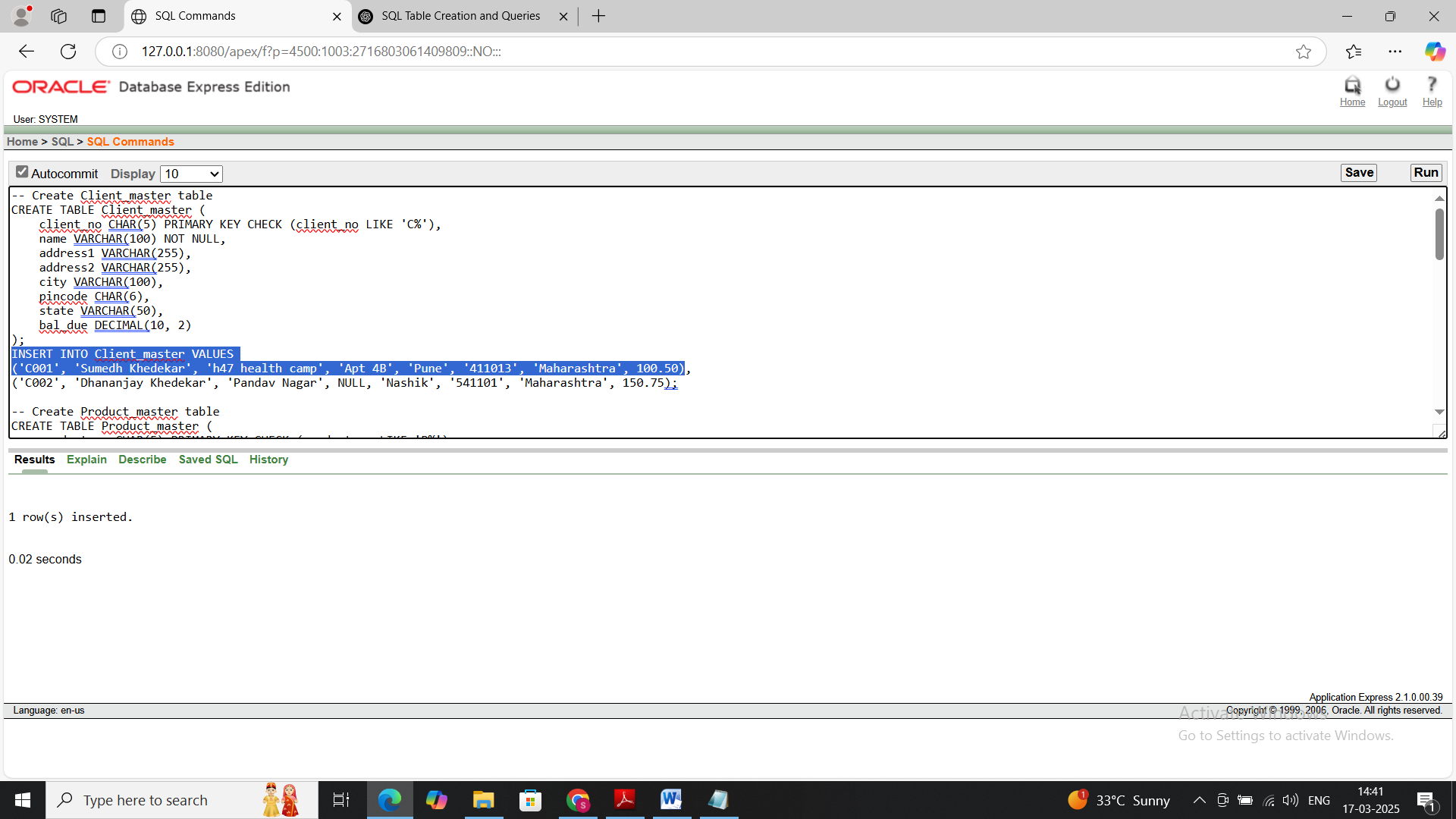
VALUES

('C001', 'Sumedh Khedekar', 'h47 health camp', 'Apt 4B', 'Pune', '411013', 'Maharashtra', 100.50);

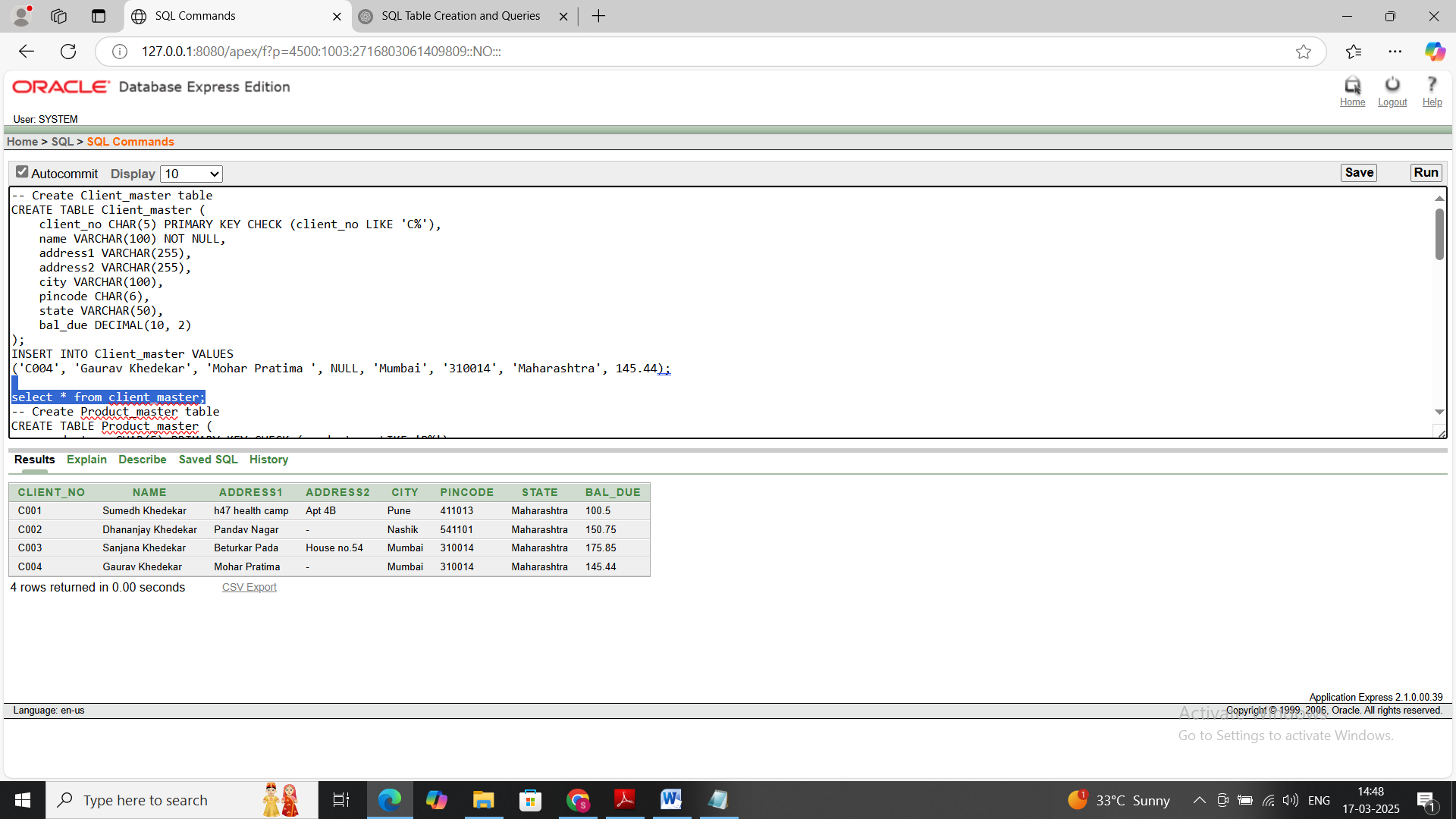
('C002', 'Dhananjay Khedekar', 'Pandav Nagar', NULL, 'Nashik', '541101', 'Maharashtra', 150.75);

('C003', 'Sanjana Khedekar', 'Beturkar Pada', 'House no.54', 'Mumbai', '310014', 'Maharashtra', 175.85);

('C004', 'Gaurav Khedekar', 'Mohar Pratima ', NULL, 'Mumbai', '310014', 'Maharashtra', 145.44);  
**Output:**



**Query(select ): select \* from client\_master**



**2.Product\_master(product\_no, description, profit\_percent, unit\_ measure, qty\_on\_hand ,**

**reorder\_lvl, sell\_price, cost\_price)**

**Constraints: Product\_master(product\_no is PK & first letter must start with ‘P’)**

**Query(create table):**

CREATE TABLE Product\_master (

product\_no CHAR(5) PRIMARY KEY CHECK (product\_no LIKE 'P%'),

description VARCHAR(255),

profit\_percent DECIMAL(5, 2),

unit\_of\_measure VARCHAR(50),

qty\_on\_hand INT,

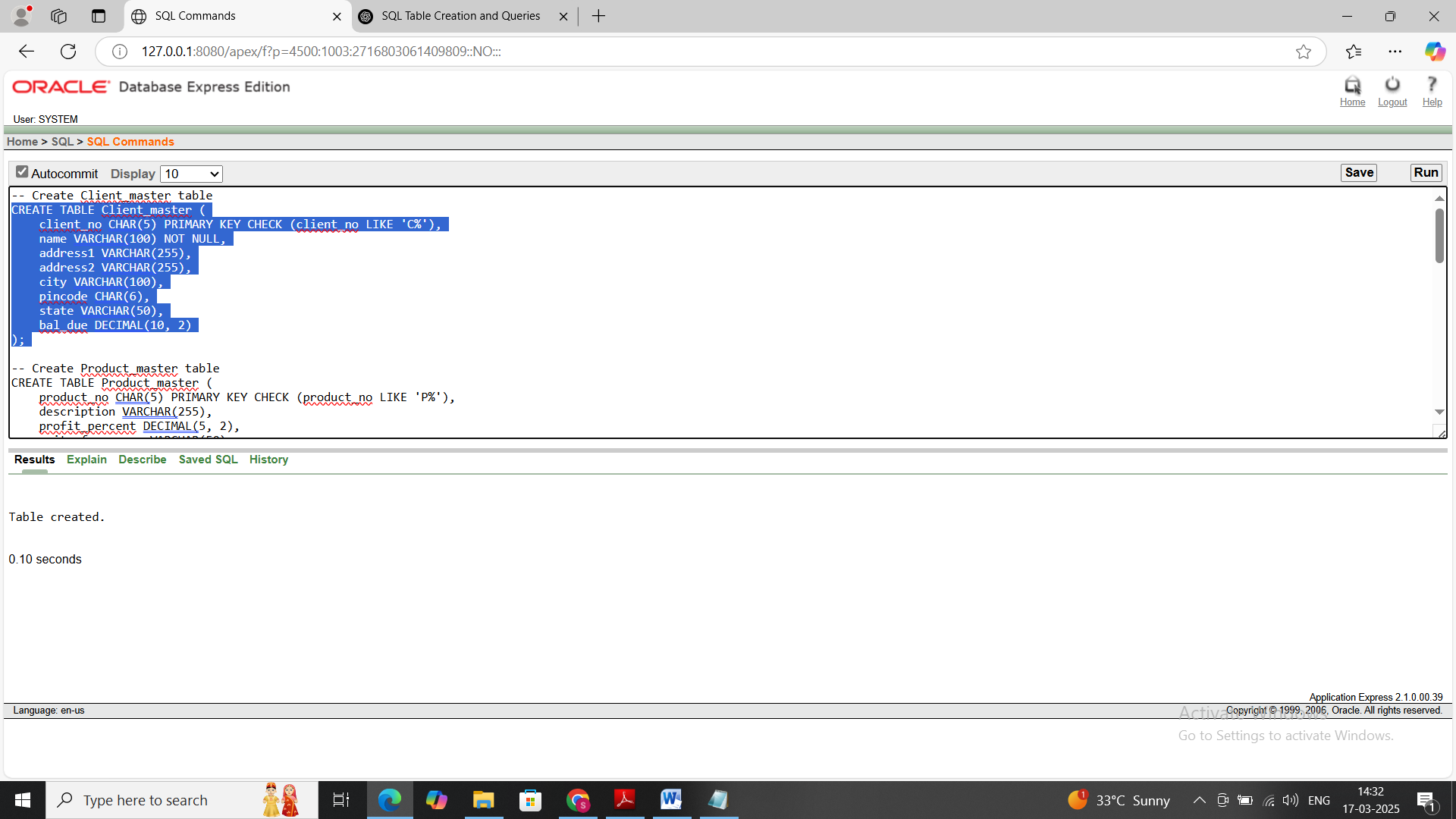
reorder\_lvl INT,

sell\_price DECIMAL(10, 2),

cost\_price DECIMAL(10, 2)

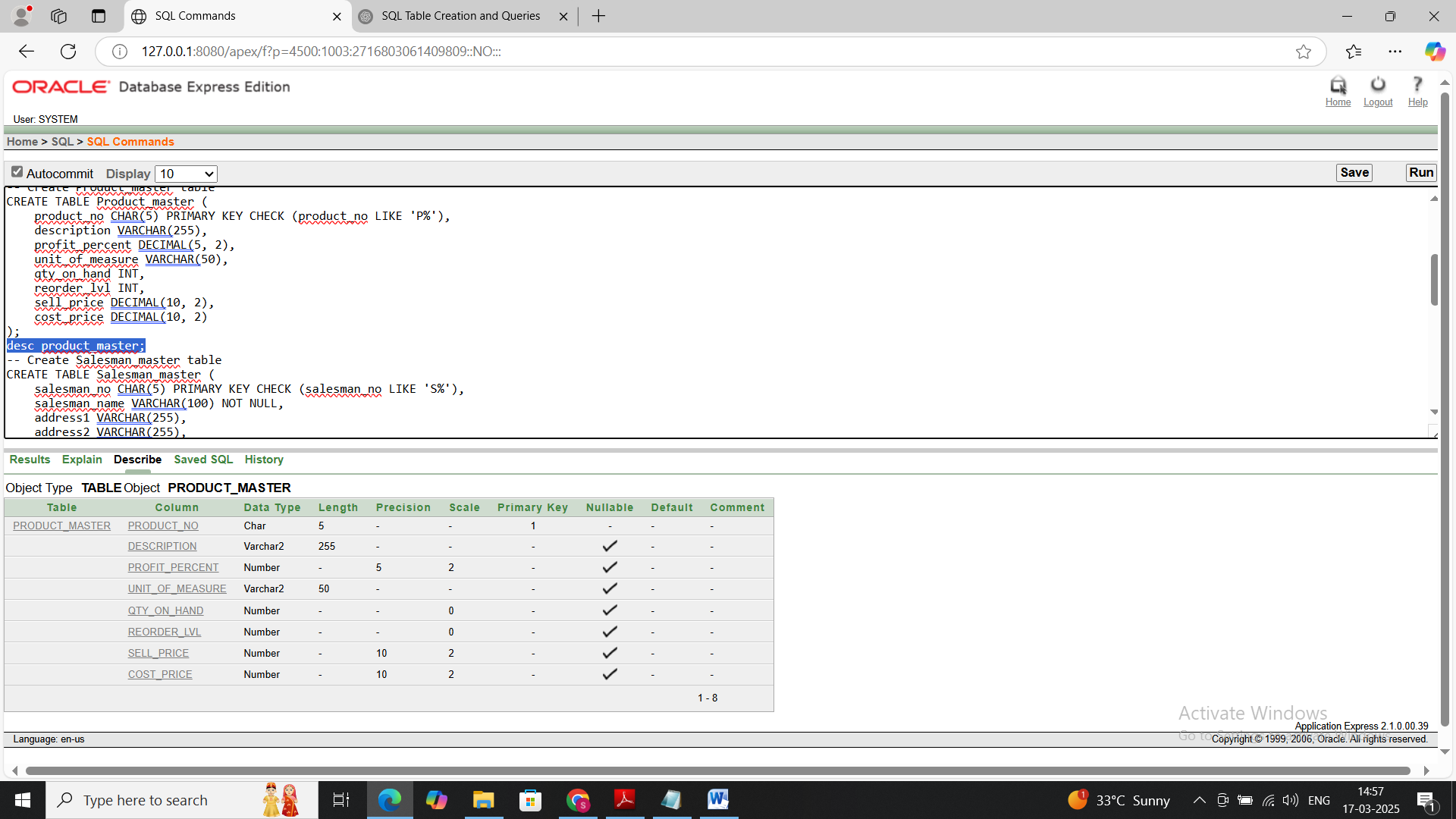
);

**Output:**



**Query(desc table):**

desc product\_master;



**Query(insert table):**

INSERT INTO TABLE Product\_master VALUES

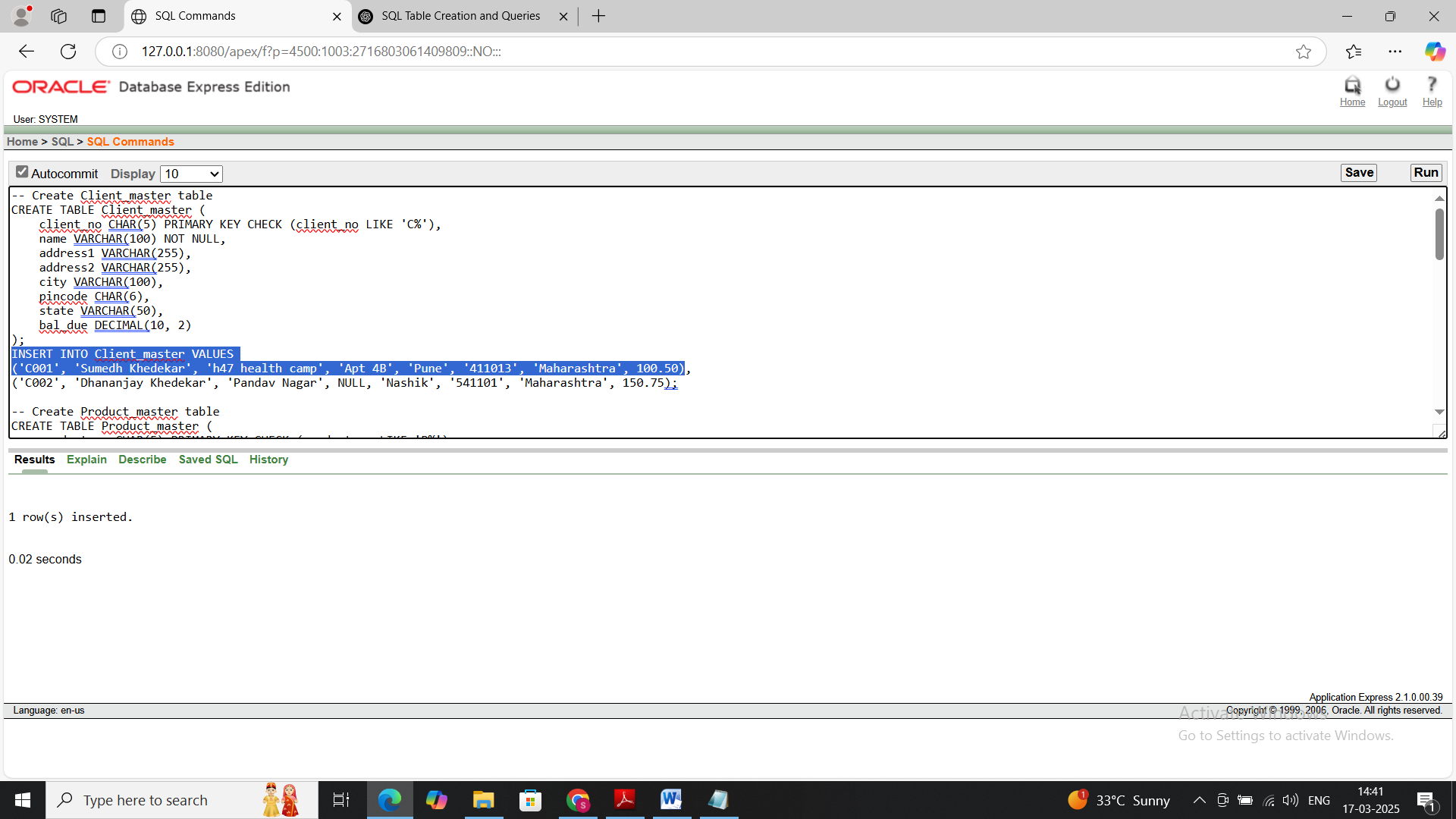
('P001', 'Laptop', 20.00, 'Unit', 50, 10, 1000.00, 800.00),

('P002', 'Smartphone', 15.00, 'Unit', 100, 15, 500.00, 400.00)

('P003', 'Headset', 20.00, 'Unit', 100, 20, 300.00, 50.00)

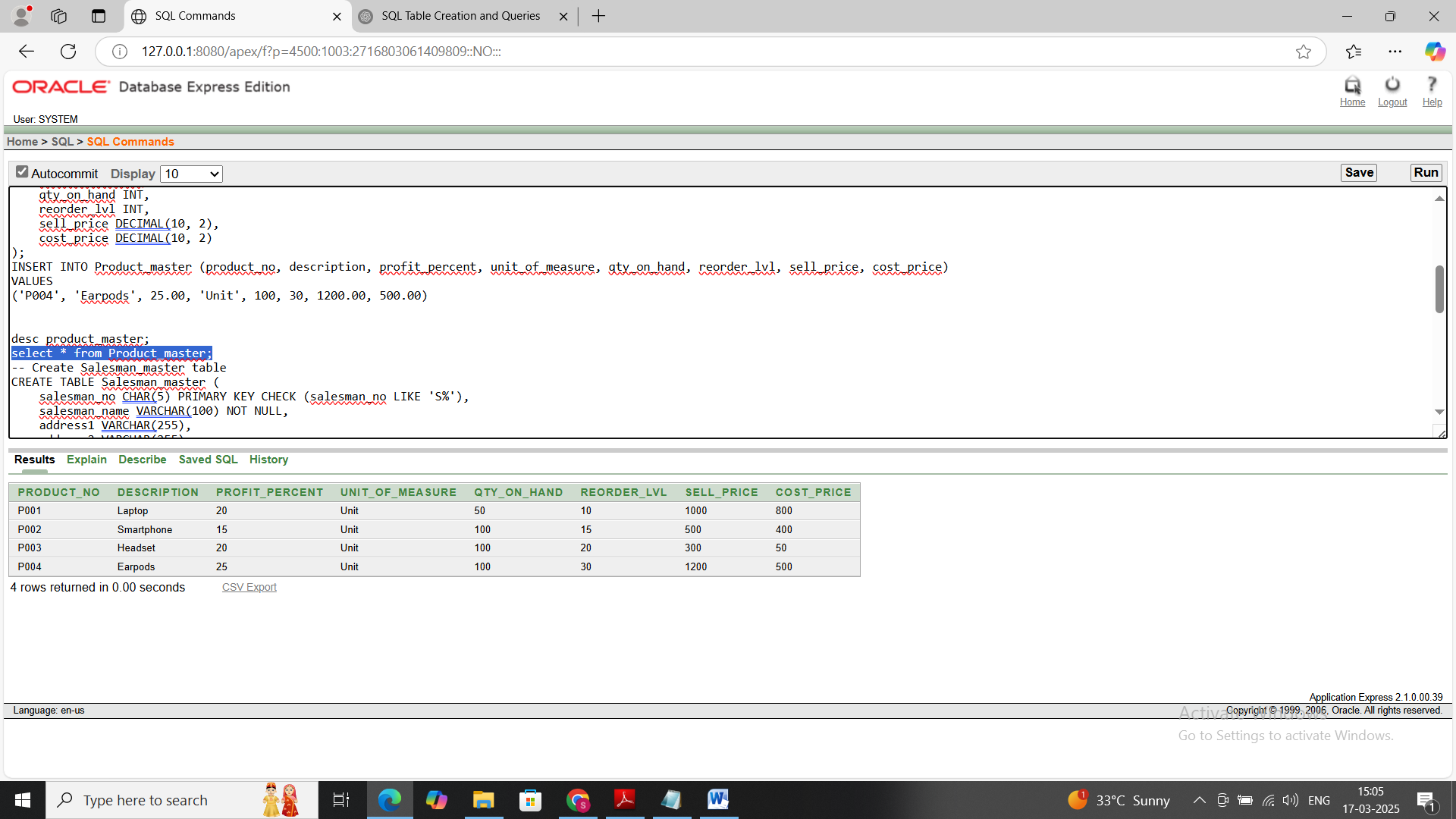
('P004', 'Earpods', 25.00, 'Unit', 100, 30, 1200.00, 500.00)Output:

**Output:**



**Query(select):** select \* from Product\_master;

**Output:**



**3. Salesman\_master(salesman\_name, address1, address2, city, pincode, state, sal\_amt,**

**tgt\_to\_get,ytd\_sales,remarks)**

**Constraints:** **Salesman\_master(salesman\_no is PK & first letter must start with ‘S’ Name not NULL)**

**Query(Create):**

CREATE TABLE Salesman\_master (

salesman\_no CHAR(5) PRIMARY KEY CHECK (salesman\_no LIKE 'S%'),

salesman\_name VARCHAR(100) NOT NULL,

address1 VARCHAR(255),

address2 VARCHAR(255),

city VARCHAR(100),

pincode CHAR(6),

state VARCHAR(50),

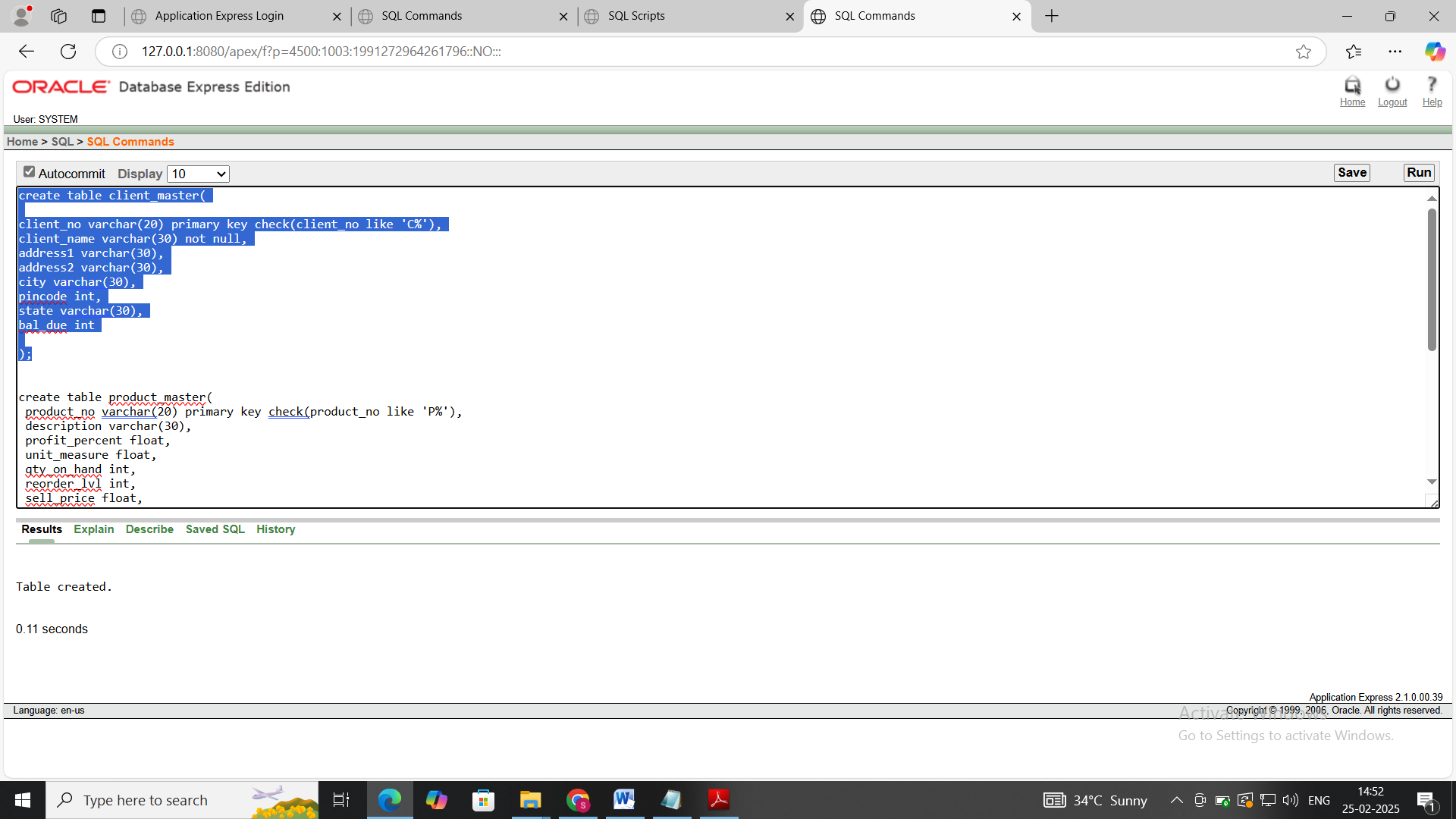
sal\_amt DECIMAL(10, 2),

tgt\_to\_get DECIMAL(10, 2),

ytd\_sales DECIMAL(10, 2),

remarks VARCHAR(255) -- changed from TEXT to VARCHAR(255)

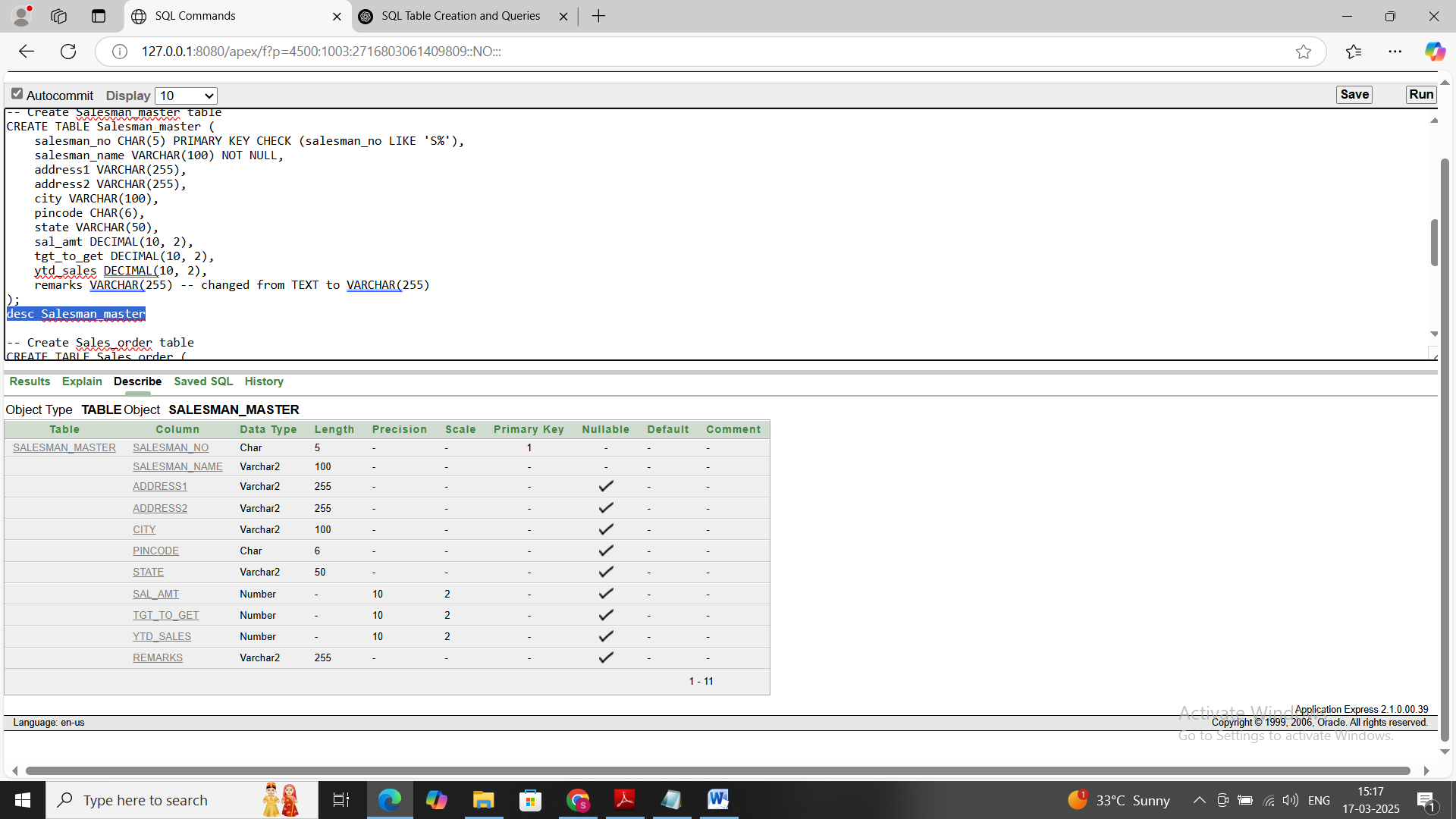
);



**Query(Desc):**

desc Salesman\_master

**Ouput:**

****

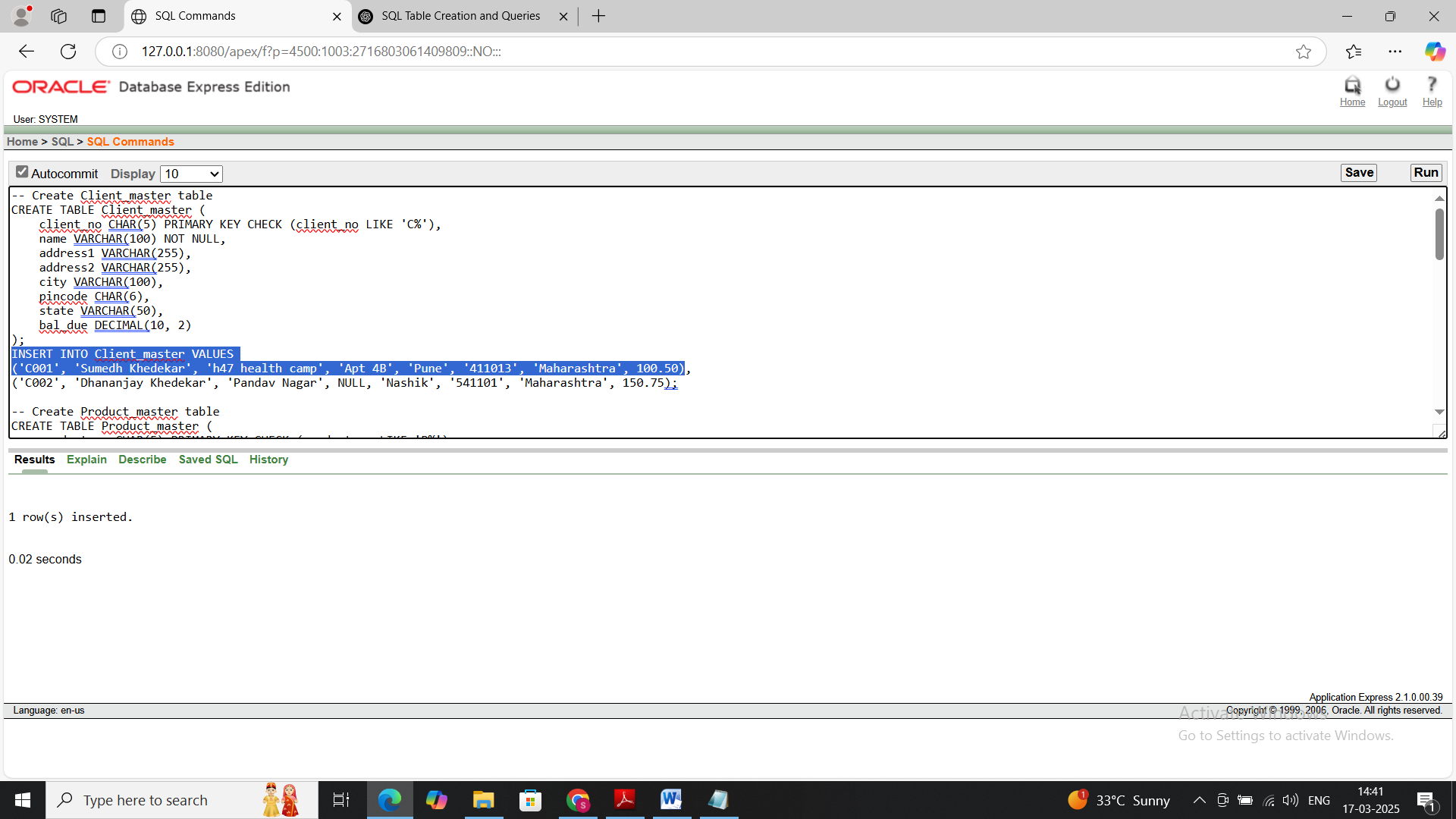
**Query(insert):**

INSERT INTO Salesman\_master VALUES

('S001', 'Kapil Aru, 'Navi peth ', 'Laxmi Road', 'Pune', '411012', 'Maharashtra', 2000.00, 50000.00, 12000.00, 'Excellent performance'),

('S002', 'Ramesh Chaudhary', 'Juna bazar near Shaniwar Wada', 'near old factory1', 'Pune', '411012', 'Maharashtra', 1800.00, 45000.00, 15000.00, 'Needs improvement');

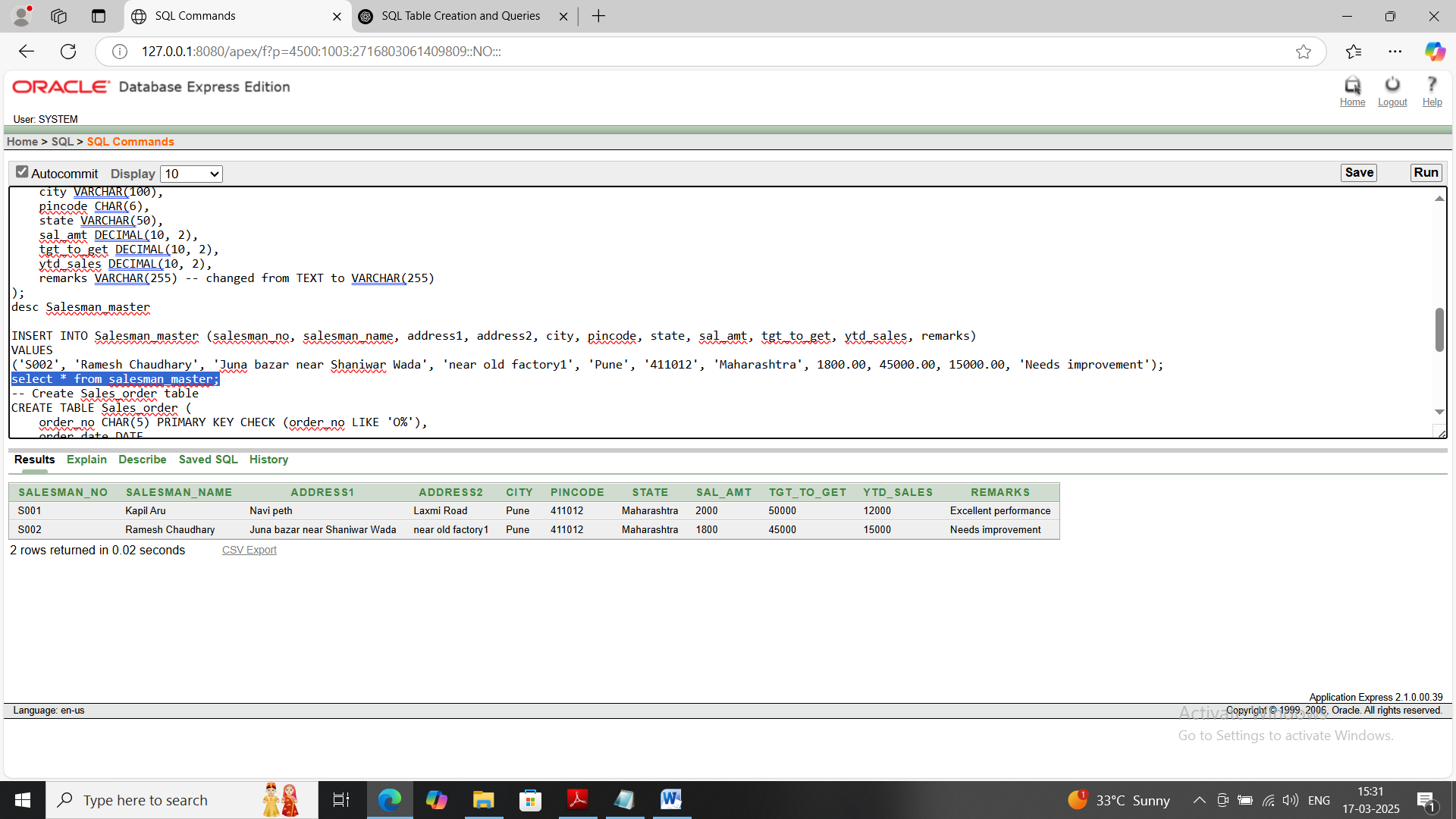
**Ouput:**



**Query(select):**

Select \* from Salesman\_master

**Output:**

****

**3. Sales\_order(order\_no,order\_date,client\_no,dely\_addr,salesman\_no, dely\_type,billed\_yn,**

**dely\_date, order\_status)**

**Constraints:** **Sales\_Order(order\_no is PK & first letter must start with ‘O’,dely\_type(Delivery:**

**part(P)/full(f) Default (F), dely\_date cannot be less than order\_date, order\_status values (‘In**

**Process’, ‘Fulfilled’ ‘BackOrder’,’Cancelled’).**

**Query(Create):**

CREATE TABLE Sales\_order (

order\_no CHAR(5) PRIMARY KEY CHECK (order\_no LIKE 'O%'),

order\_date DATE,

client\_no CHAR(5) ,

dely\_addr VARCHAR(255),

salesman\_no CHAR(5) ,

dely\_type CHAR(1) DEFAULT 'F' CHECK (dely\_type IN ('P', 'F')), -- Default to Full delivery

billed\_yn CHAR(1),

dely\_date DATE , -- Ensure dely\_date >= order\_date

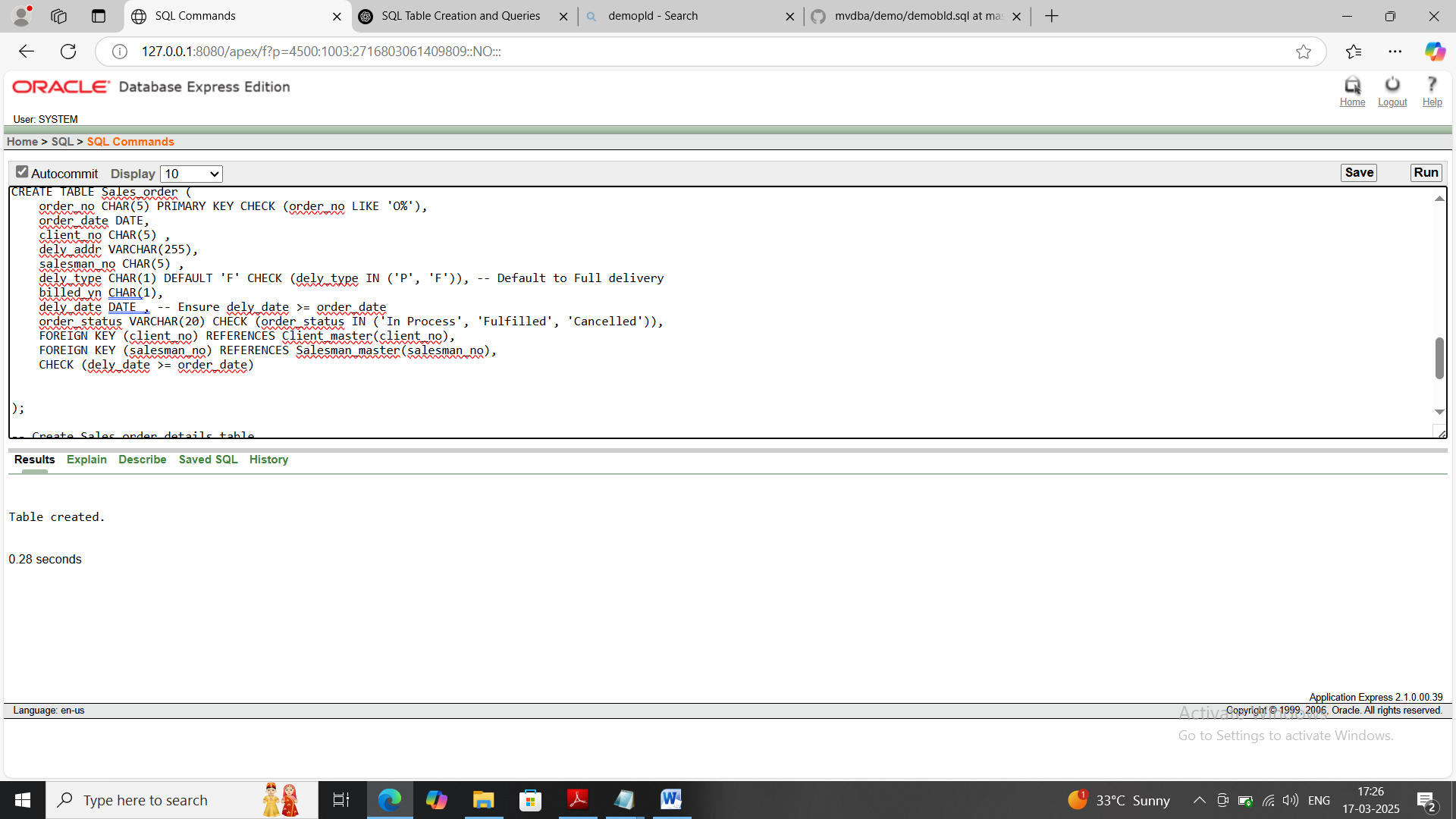
order\_status VARCHAR(20) CHECK (order\_status IN ('In Process', 'Fulfilled', 'Cancelled')),

FOREIGN KEY (client\_no) REFERENCES Client\_master(client\_no),

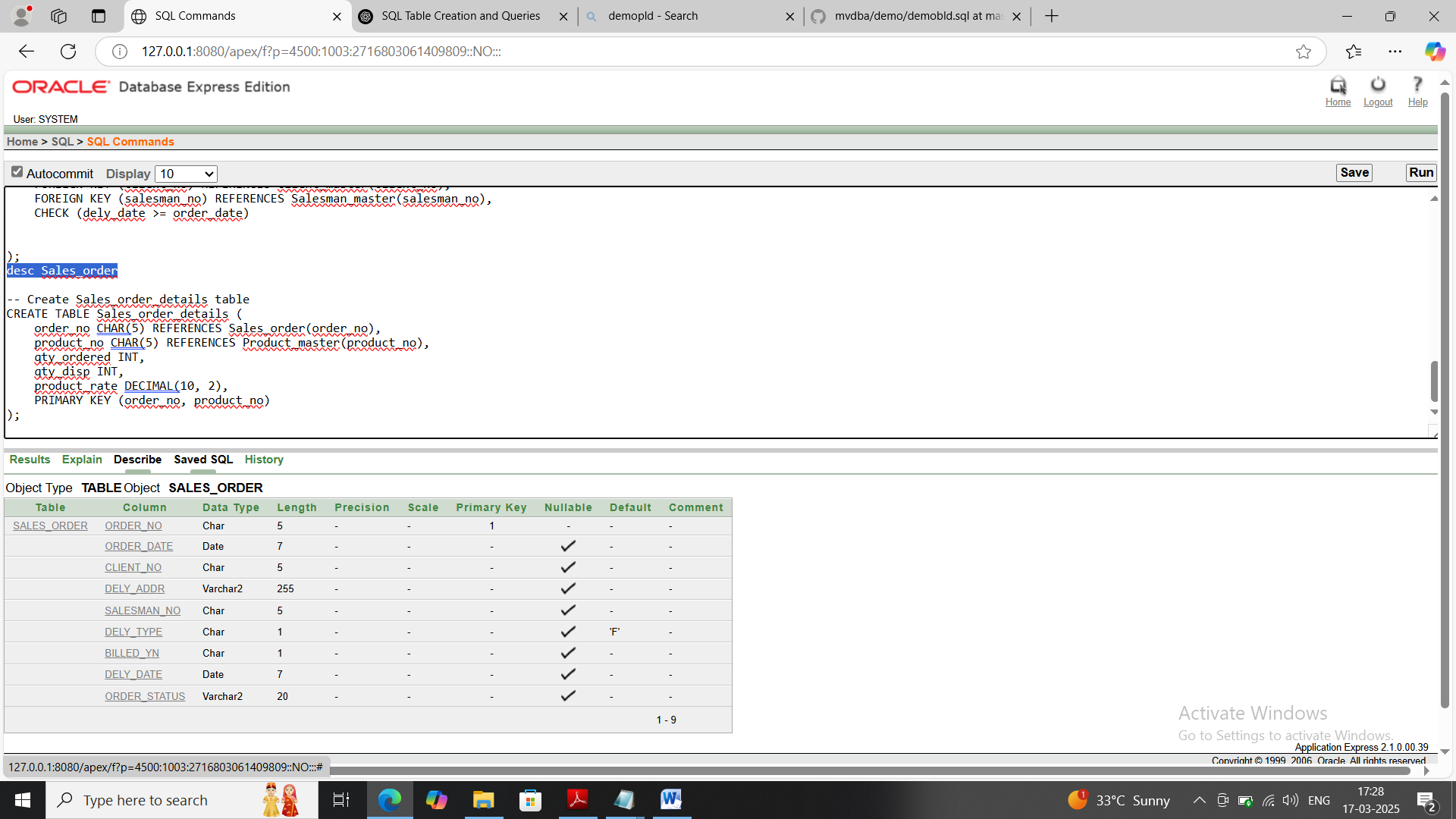
FOREIGN KEY (salesman\_no) REFERENCES Salesman\_master(salesman\_no),

CHECK (dely\_date >= order\_date));

Output:



Query(Desc):DESC Sales\_order



**Query(Insert):**

INSERT INTO Sales\_order (order\_no, order\_date, client\_no, dely\_addr, salesman\_no, dely\_type, billed\_yn, dely\_date, order\_status)

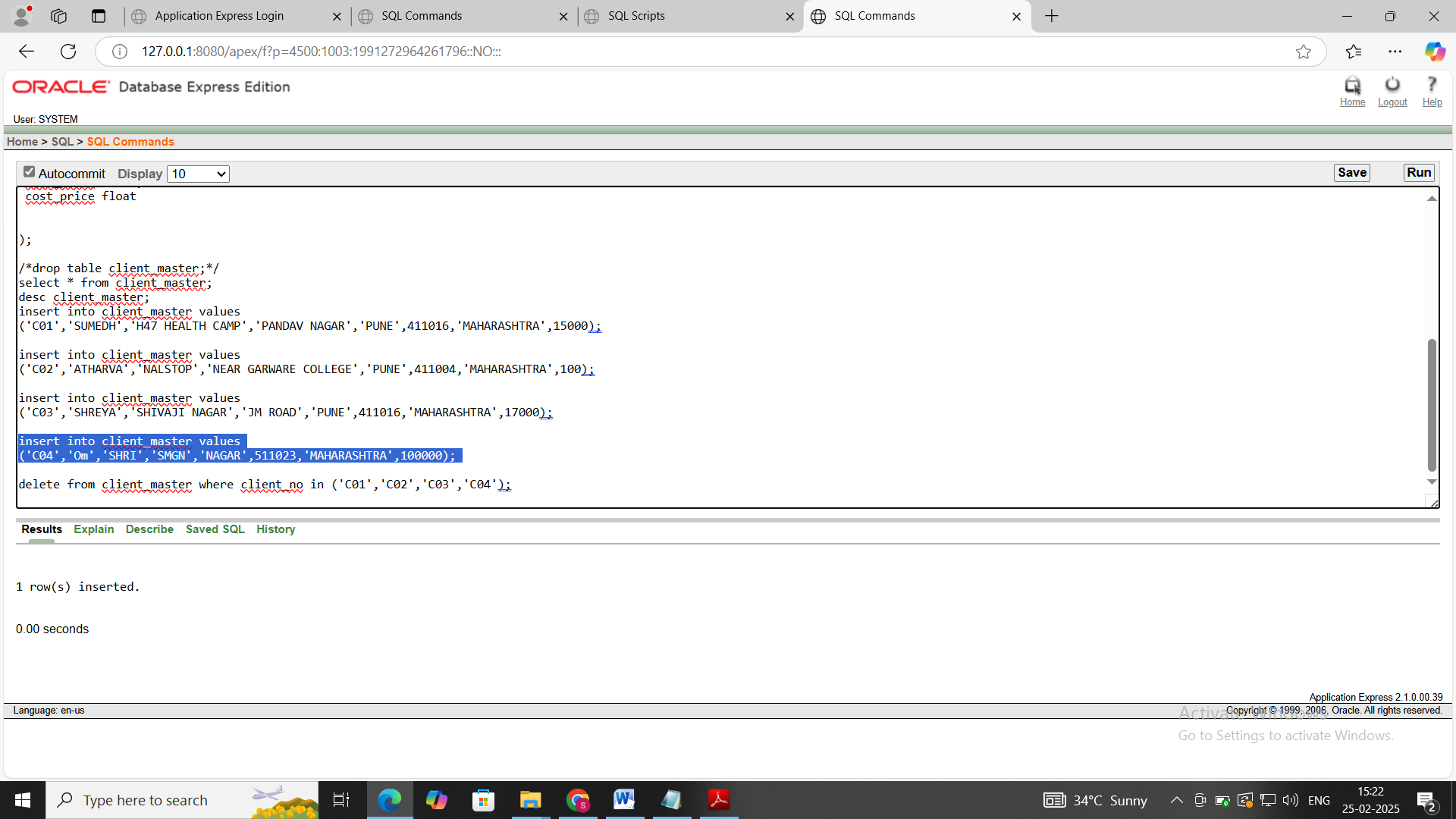
VALUES

('O001', TO\_DATE('2025-03-15','YYYY-MM-DD'), 'C001', 'h47 health camp', 'S001', 'F', 'Y', TO\_DATE('2025-03-17','YYYY-MM-DD'), 'In Process'),

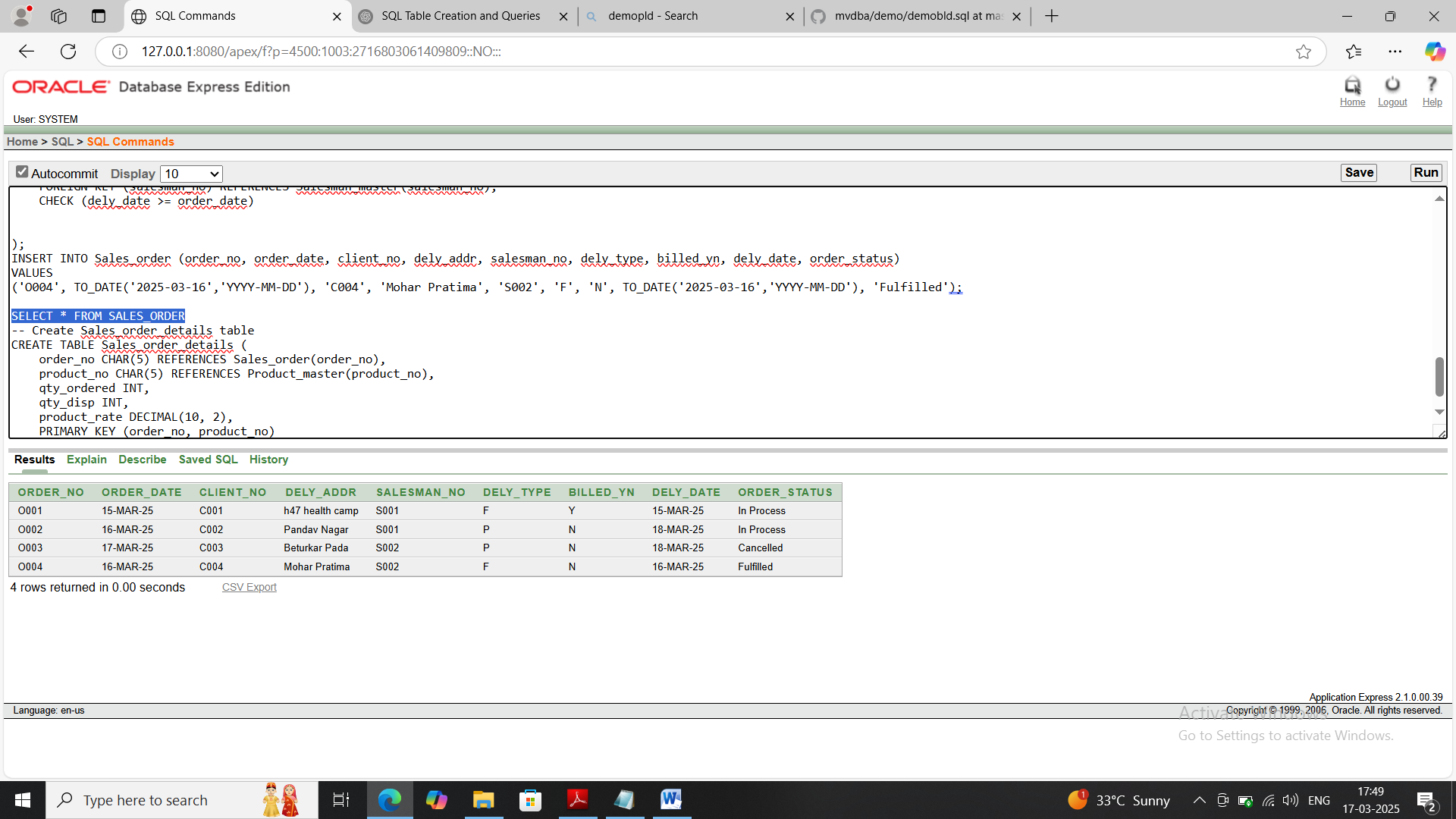
('O002', TO\_DATE('2025-03-16','YYYY-MM-DD'), 'C002', 'Pandav Nagar', 'S001', 'P', 'N', TO\_DATE('2025-03-18','YYYY-MM-DD'), 'In Process');

('O003', TO\_DATE('2025-03-17','YYYY-MM-DD'), 'C003', 'Beturkar Pada', 'S002', 'P', 'N', TO\_DATE('2025-03-18','YYYY-MM-DD'), 'Cancelled');

('O004', TO\_DATE('2025-03-16','YYYY-MM-DD'), 'C004', 'Mohar Pratima', 'S002', 'F', 'N', TO\_DATE('2025-03-16','YYYY-MM-DD'), 'Fulfilled');



**Query(Select)**:Select \* from sales\_order



**5)Sales\_order\_details(order\_no, product\_no,qty\_ordered,qty\_disp,product\_rate)**

**Query(Create):**

CREATE TABLE Sales\_order\_details (

order\_no CHAR(5) REFERENCES Sales\_order(order\_no),

product\_no CHAR(5) REFERENCES Product\_master(product\_no),

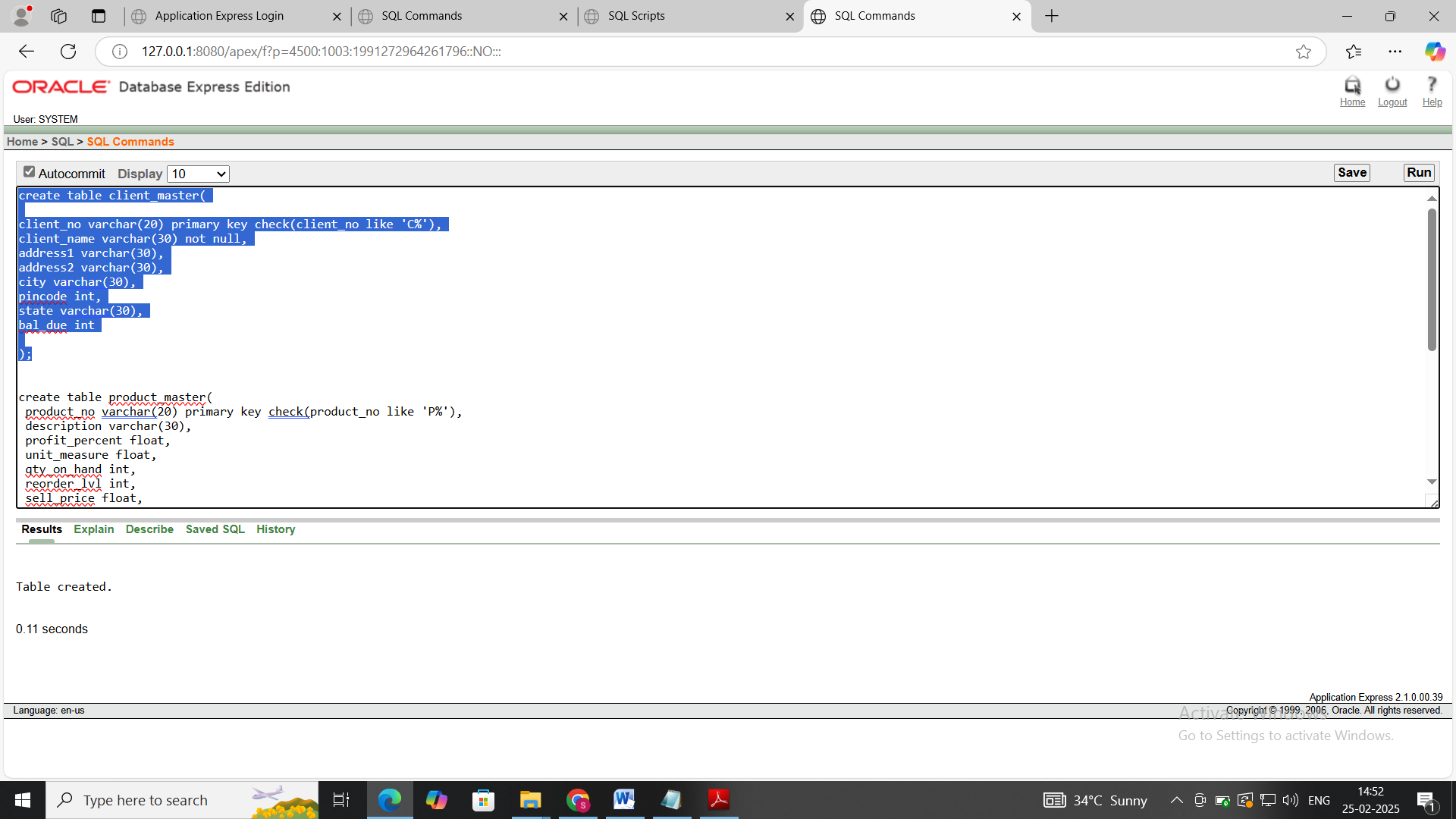
qty\_ordered INT,

qty\_disp INT,

product\_rate DECIMAL(10, 2),

PRIMARY KEY (order\_no, product\_no)

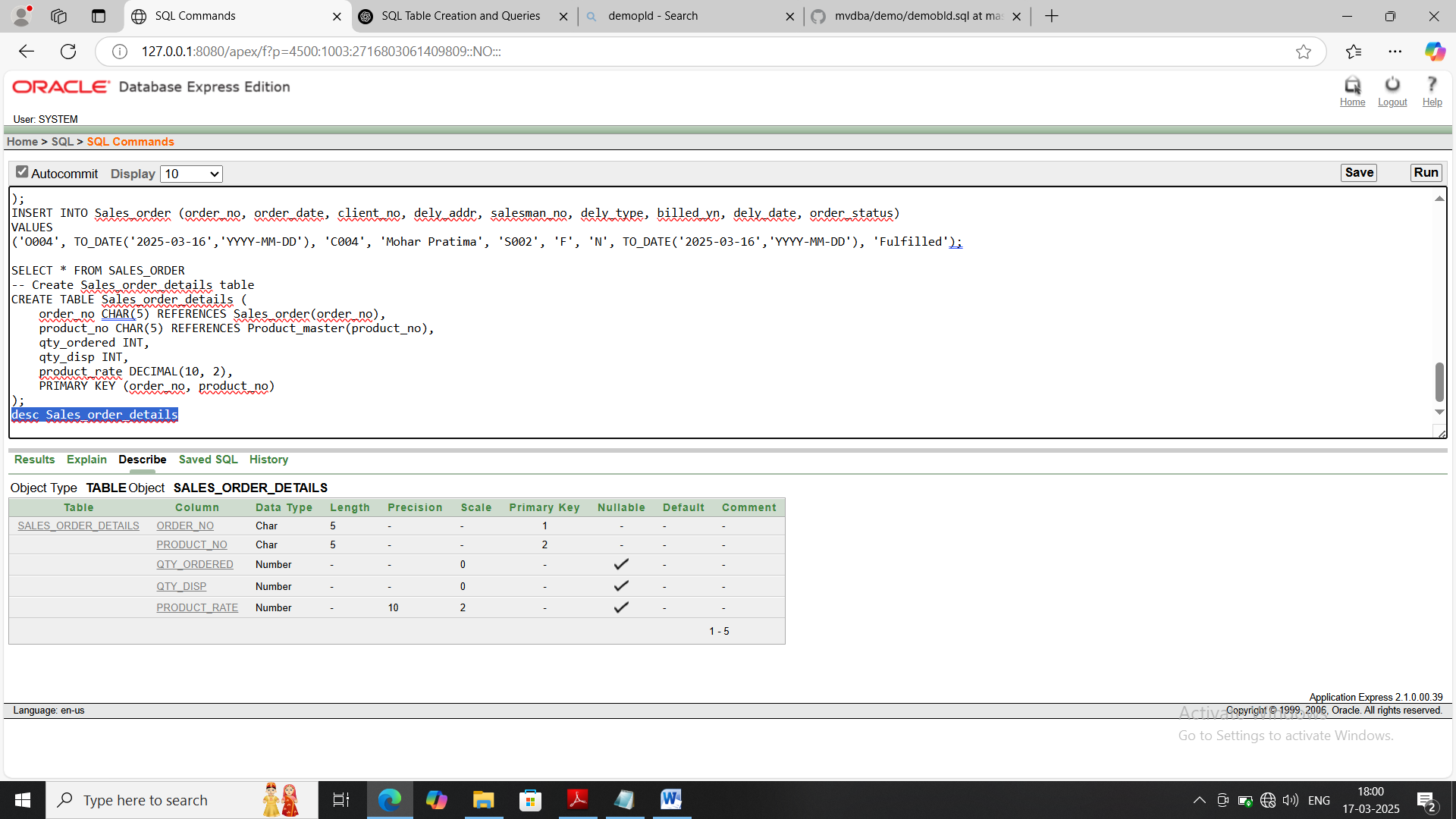
);

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**Query(desc table):**

desc Sales\_order\_details

**Output:**



**Query(insert):**

INSERT INTO Sales\_order\_details (order\_no, product\_no, qty\_ordered, qty\_disp, product\_rate)

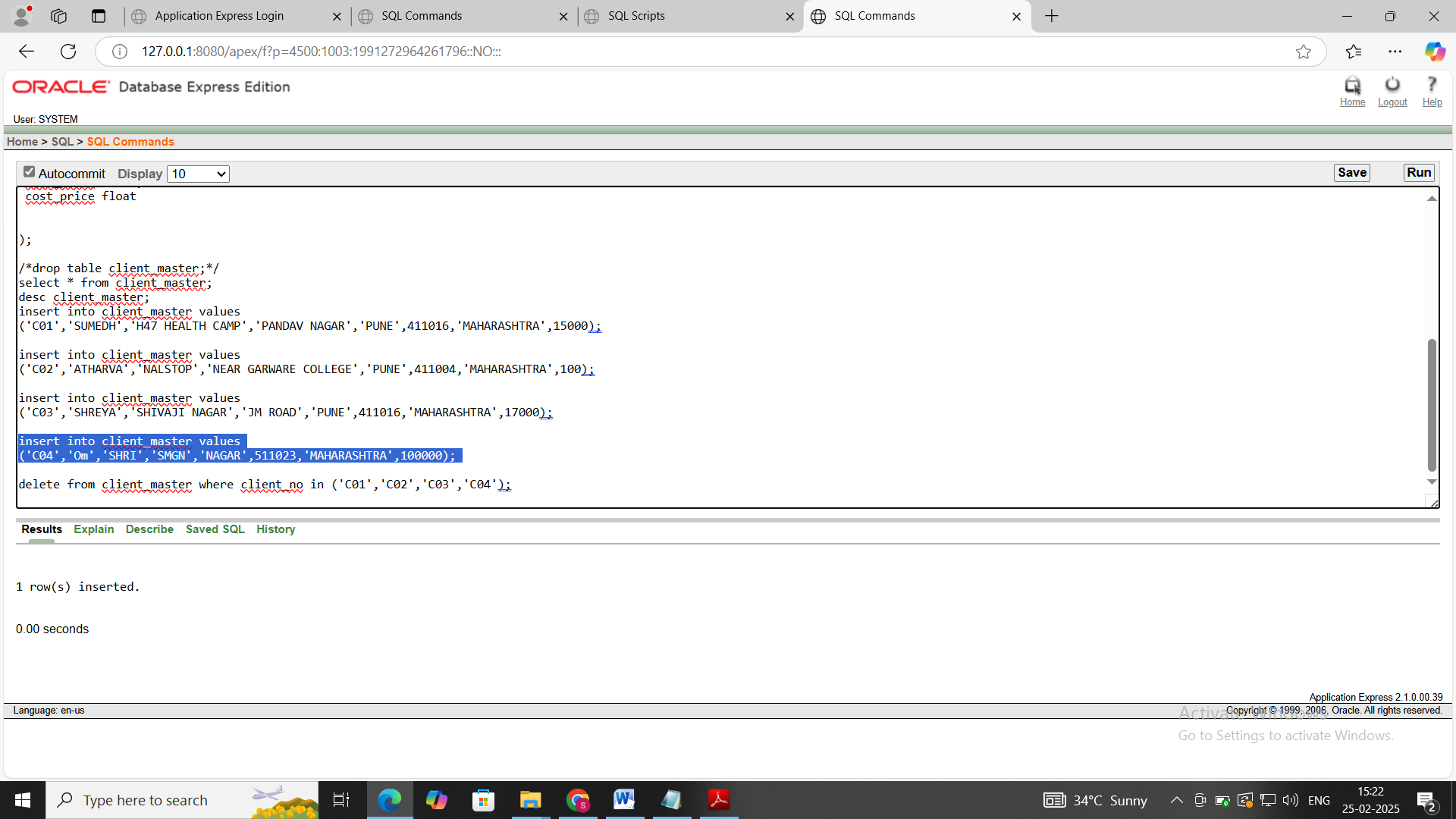
VALUES

('O001', 'P001', 2, 1, 1000.00),

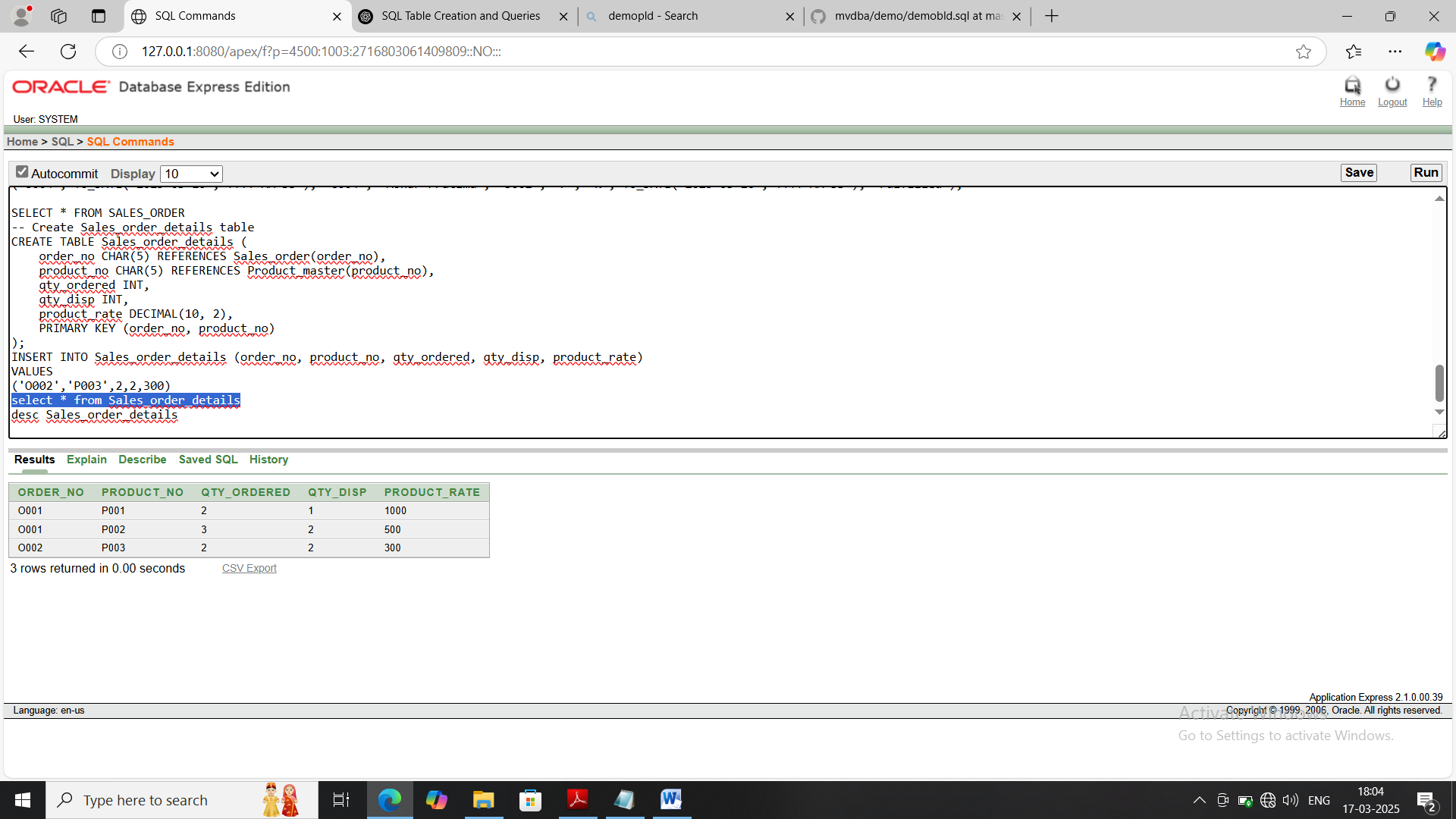
('O001', 'P002', 3, 2, 500.00),

('O002','P003',2,2,300);

**Output:**



**Query(Select):**Select \* from Sales\_order\_details

**Output**: