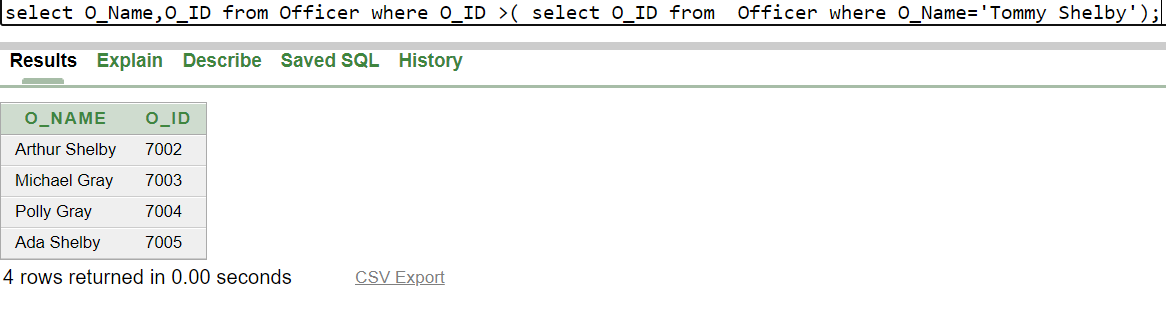
**QUERY WRITING:**

**Subquery:**

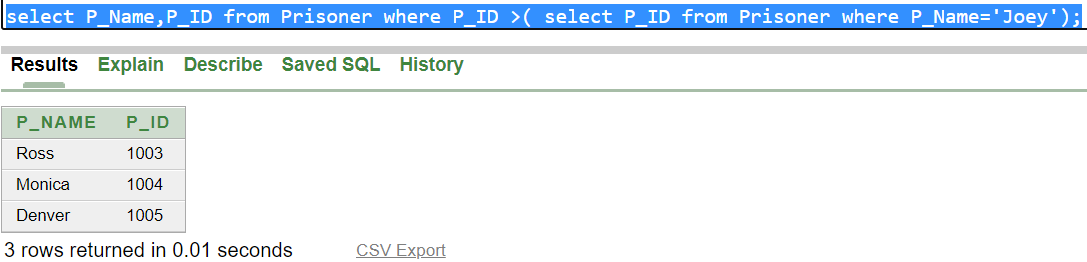
**Ques:** Display the Officer names and ID who’s ID is greater than Tommy Shelby.

**Ans:**  select O\_Name,O\_ID from Officer where O\_ID >( select O\_ID from Officer where O\_Name='Tommy Shelby');



**Ques:**  Display the Prisoners names and ID who’s ID is greater than Joey.

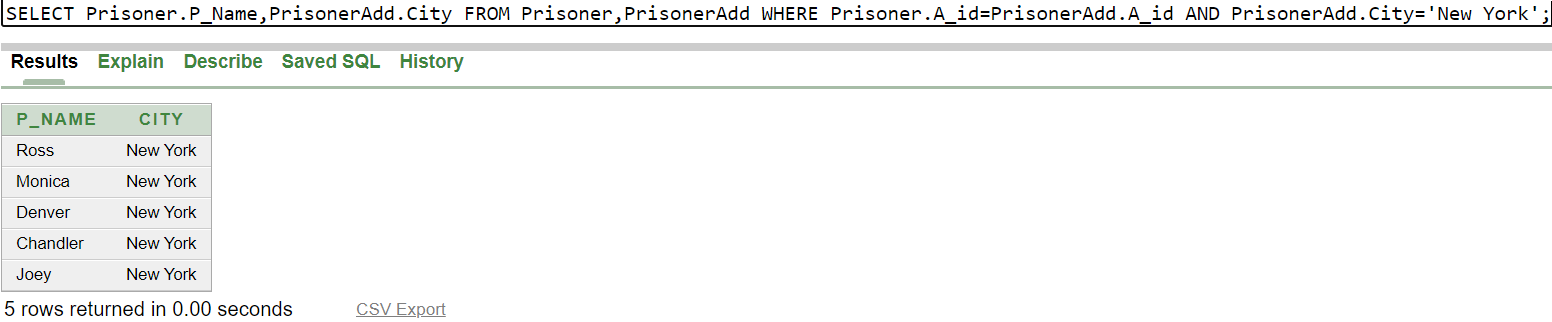
**Ans:**  select P\_Name,P\_ID from Prisoner where P\_ID >( select P\_ID from Prisoner where P\_Name='Joey');



**Joining:**

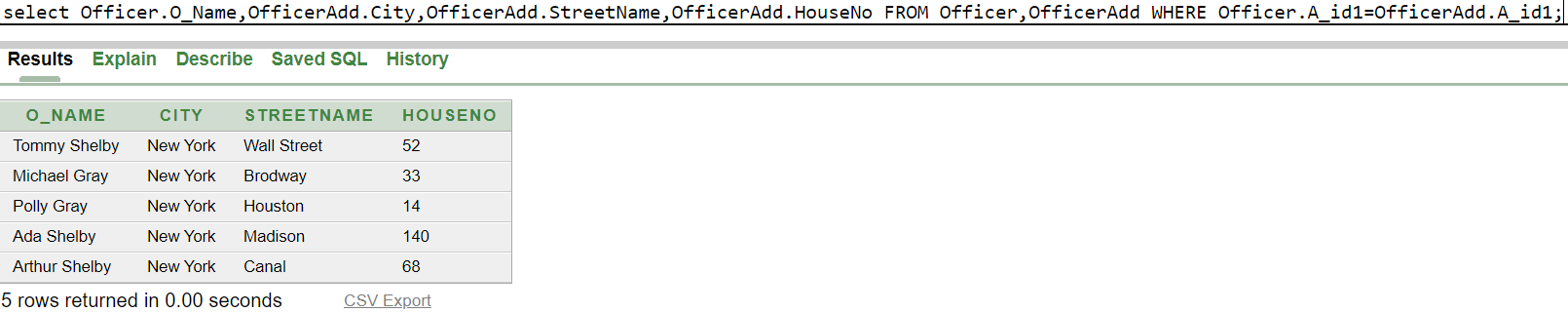
**Ques:** Display the name of all the Prisoners who lives in New York.

**Ans:** SELECT Prisoner.P\_Name,PrisonerAdd.City FROM Prisoner,PrisonerAdd WHERE Prisoner.A\_id=PrisonerAdd.A\_id AND PrisonerAdd.City='New York';



**Ques:** Write a query to display the Officer name, city,HouseNo and Street name for all Officer.

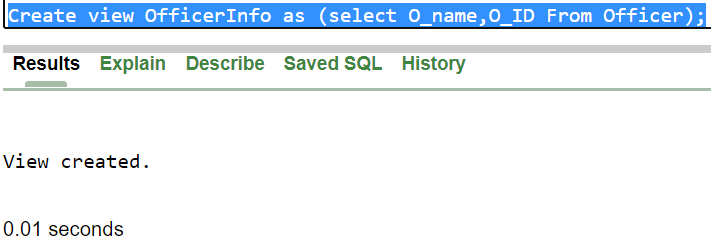
**Ans:** selectOfficer.O\_Name,OfficerAdd.City,OfficerAdd.StreetName,OfficerAdd.HouseNo FROM Officer,OfficerAdd WHERE Officer.A\_id1=OfficerAdd.A\_id1;



**View:**

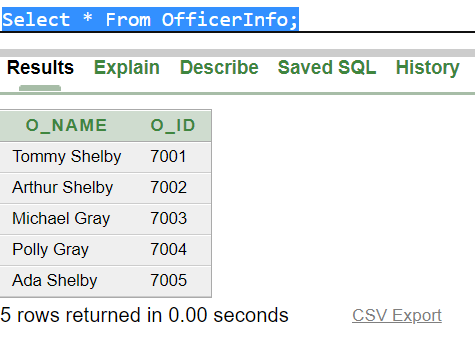
**Ques:** Create a view called OfficerInfo based on the O\_name and O\_ID from the Officer table.

**Ans:** Create view OfficerInfo as (select O\_name,O\_ID From Officer);



**Ques:**  Display all data From the OfficerInfo View.

**Ans:** Select \* From OfficerInfo;



**Relational Algebra:**

Ques: Find the name of the Prisoner which Id is 1001.

Ans: ∏P\_Name (σP\_ID= “1001” (Prisoner))

Ques: Find the Officer who lives in Houston.

Ans: ∏O\_name (σO\_Add= “Houston” (Officer))

Ques: Find the name of Prisoner which ID is less than 1004.

Ans: ∏P\_name (σP\_ID<“1001” (Prisoner))

Ques: Find the name of all Officer.

Ans: ∏O\_Name (Officer))

Ques: Find the ID of Officer 'Ada Shelby.

Ans: . ∏O\_ID (σO\_name= “'Ada Shelby” (Officer))