Hexaware Technologies LTD
SQL Assignment Exercise (Day 3)
Trainer:- Mr. Veerababu **Trainee: Suraj Kumar**
Date: 28/11/2023 **Date of Sub: 29/11/23**

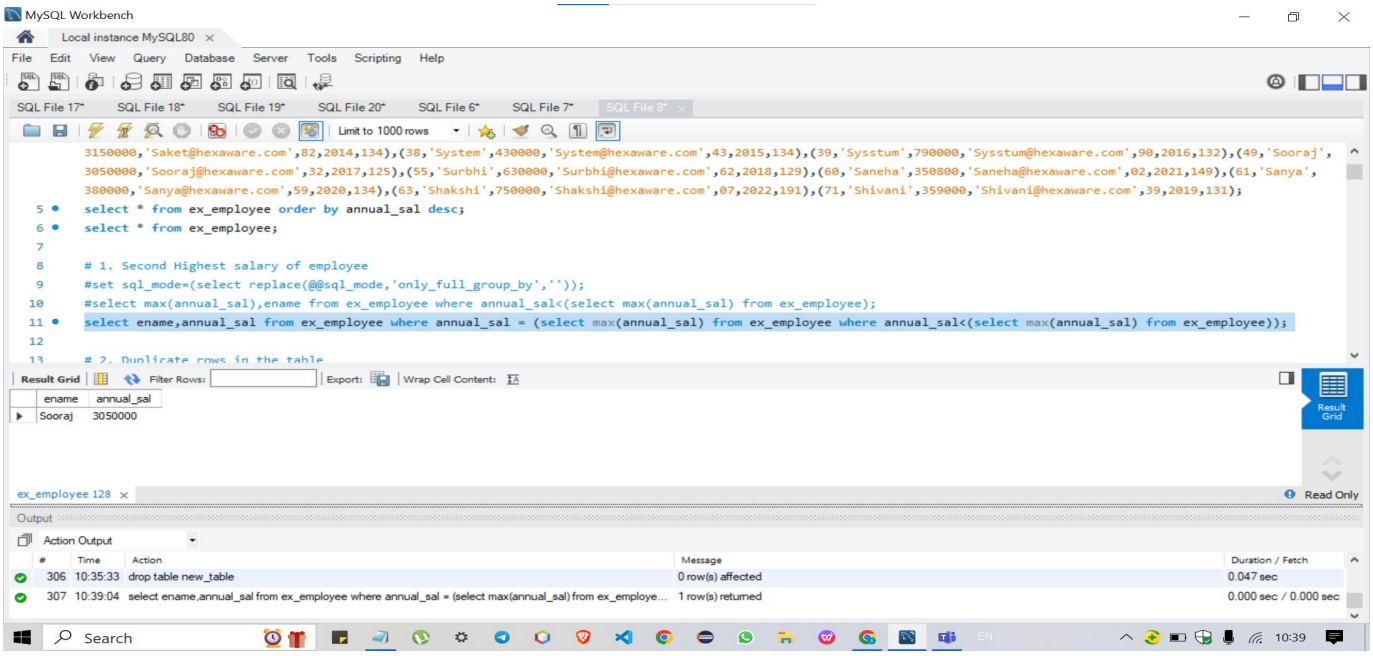
Write the SQL Queries for each of the following query:
Note: The table name is ex_employee.
Here is the description of the table:

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

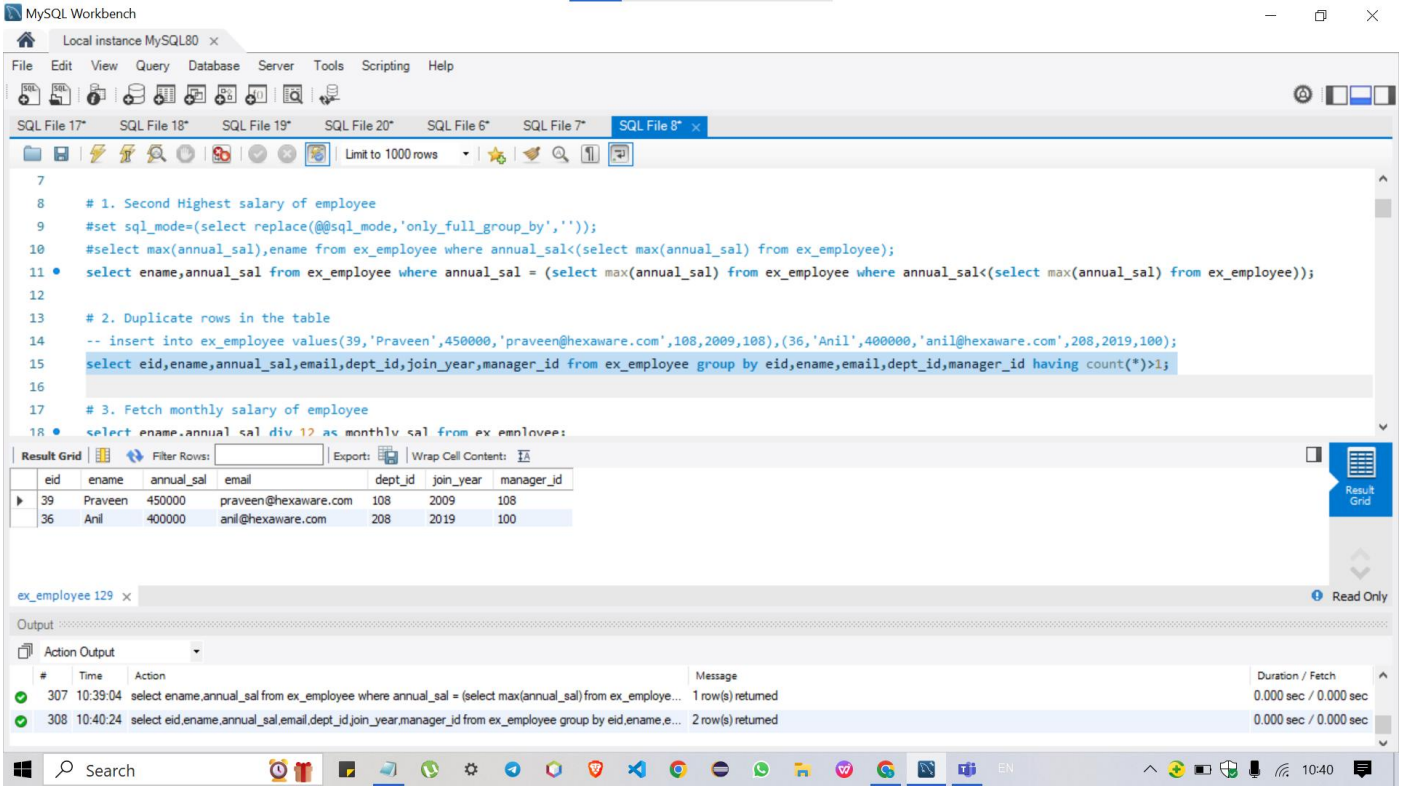
Field	Type	Null	Key	Default	Extra
eid	int	YES		NULL	
ename	varchar(50)	YES		NULL	
annual_sal	int	YES		NULL	
email	varchar(50)	YES		NULL	
dept_id	int	YES		NULL	
join_year	int	YES		NULL	
manager_id	int	YES		NULL	

SQL Exercises

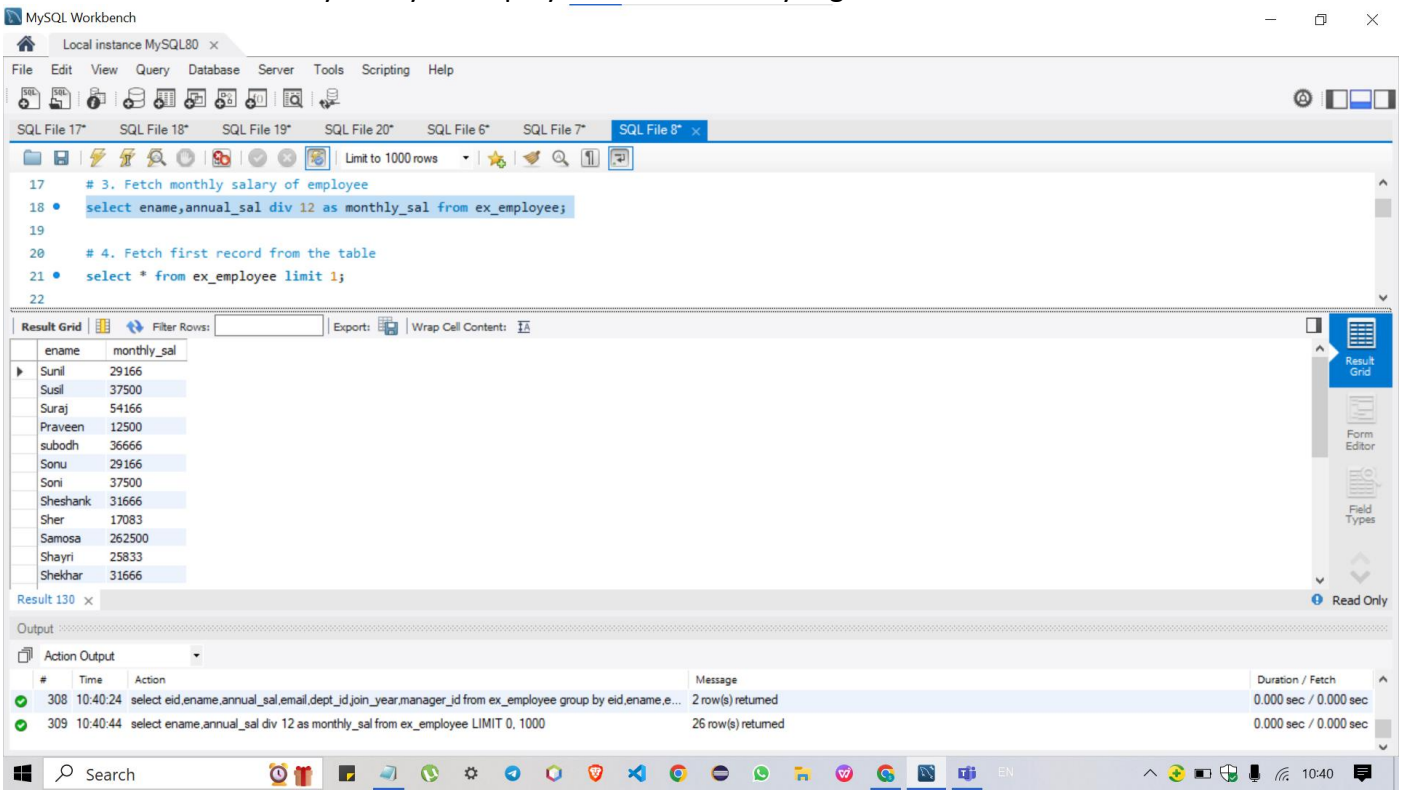
1. Query to find Second Highest Salary of Employee?



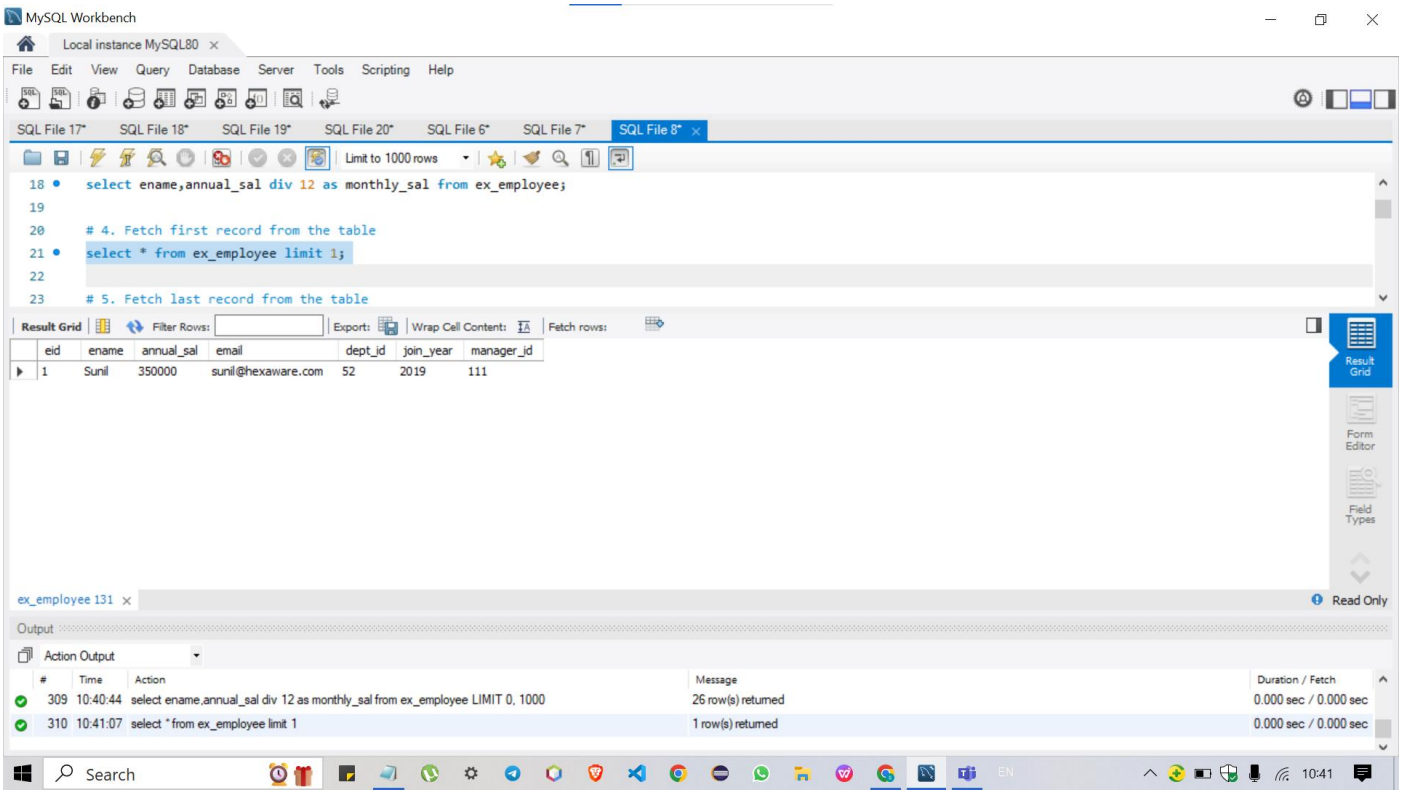
2. Query to find duplicate rows in table?



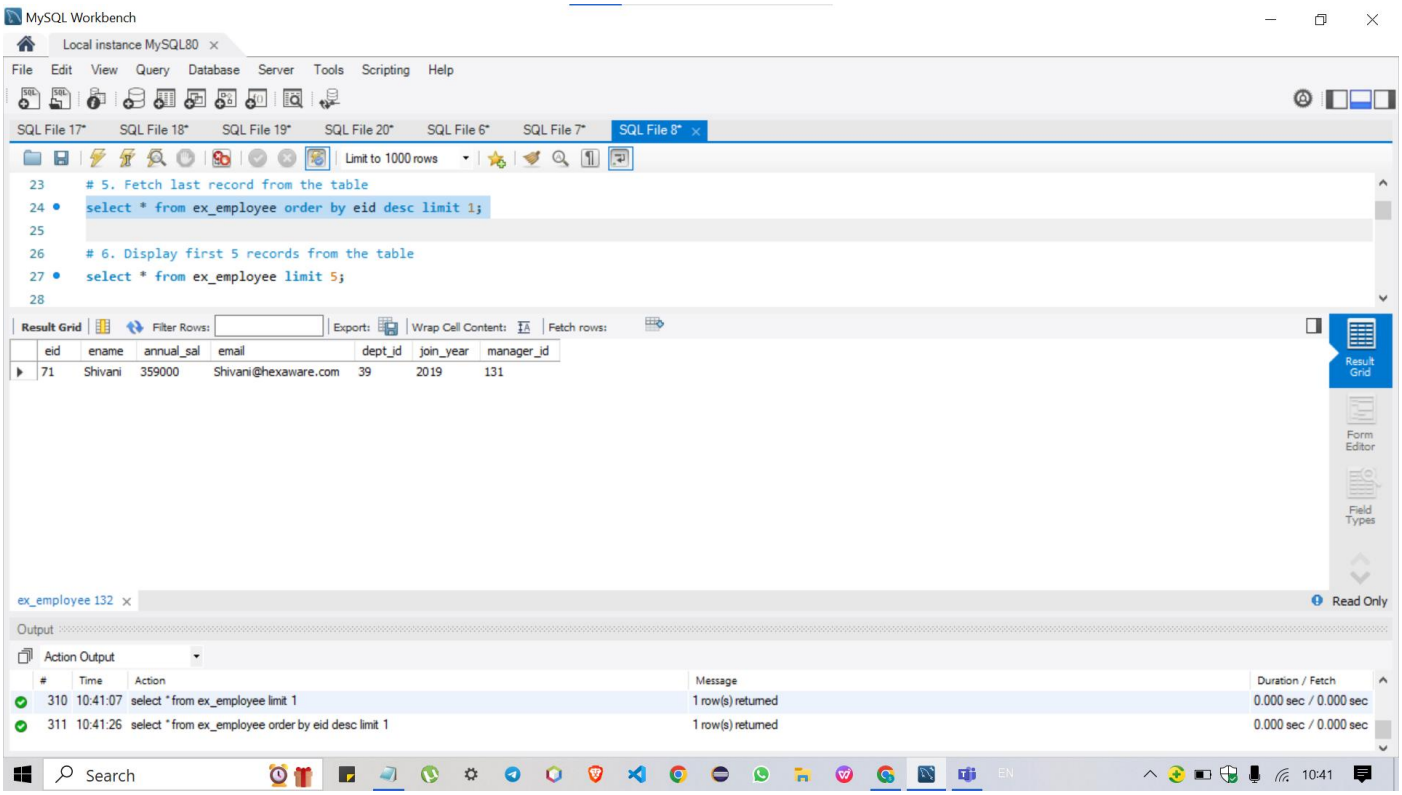
3. How to fetch monthly Salary of Employee if annual salary is given?



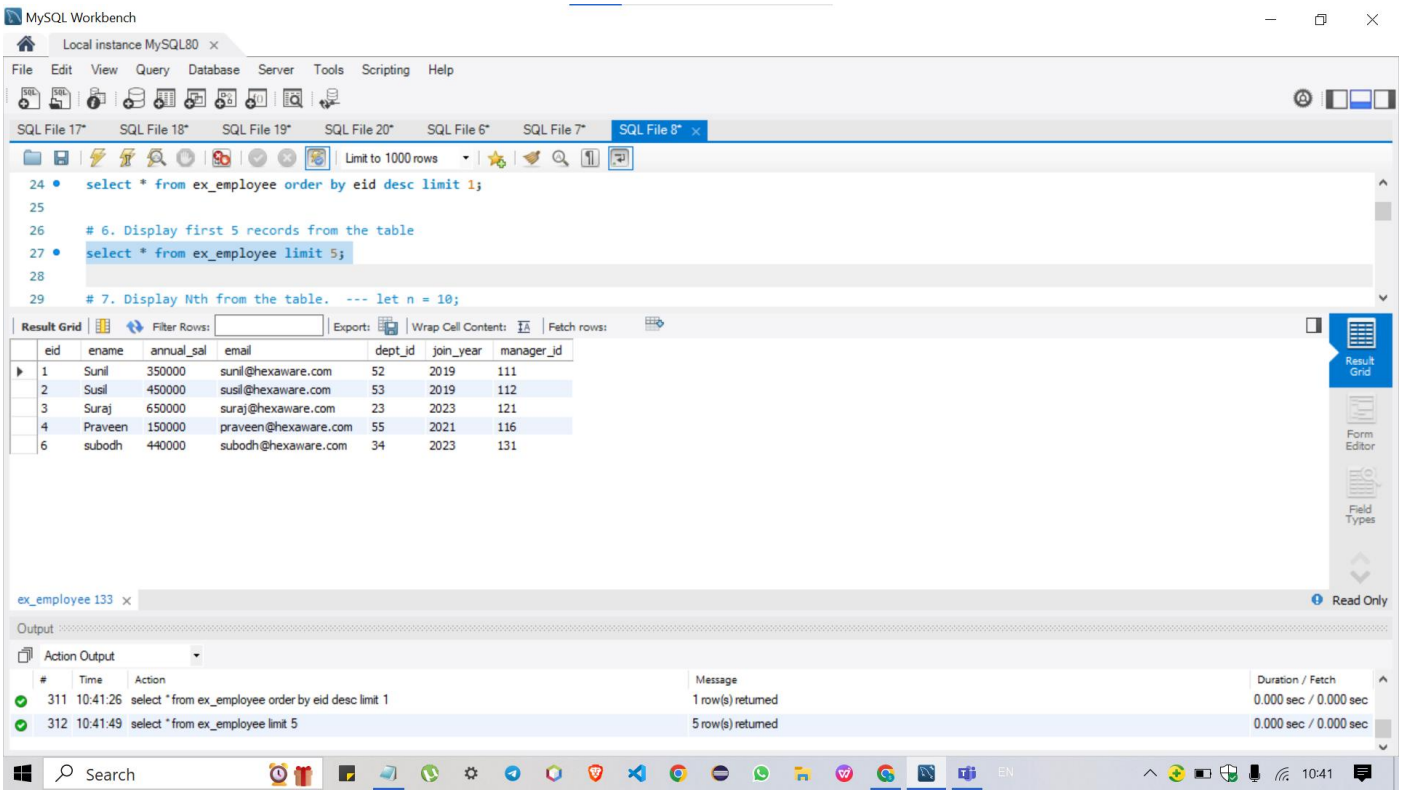
4.What is the Query to fetch first record from Employee table?



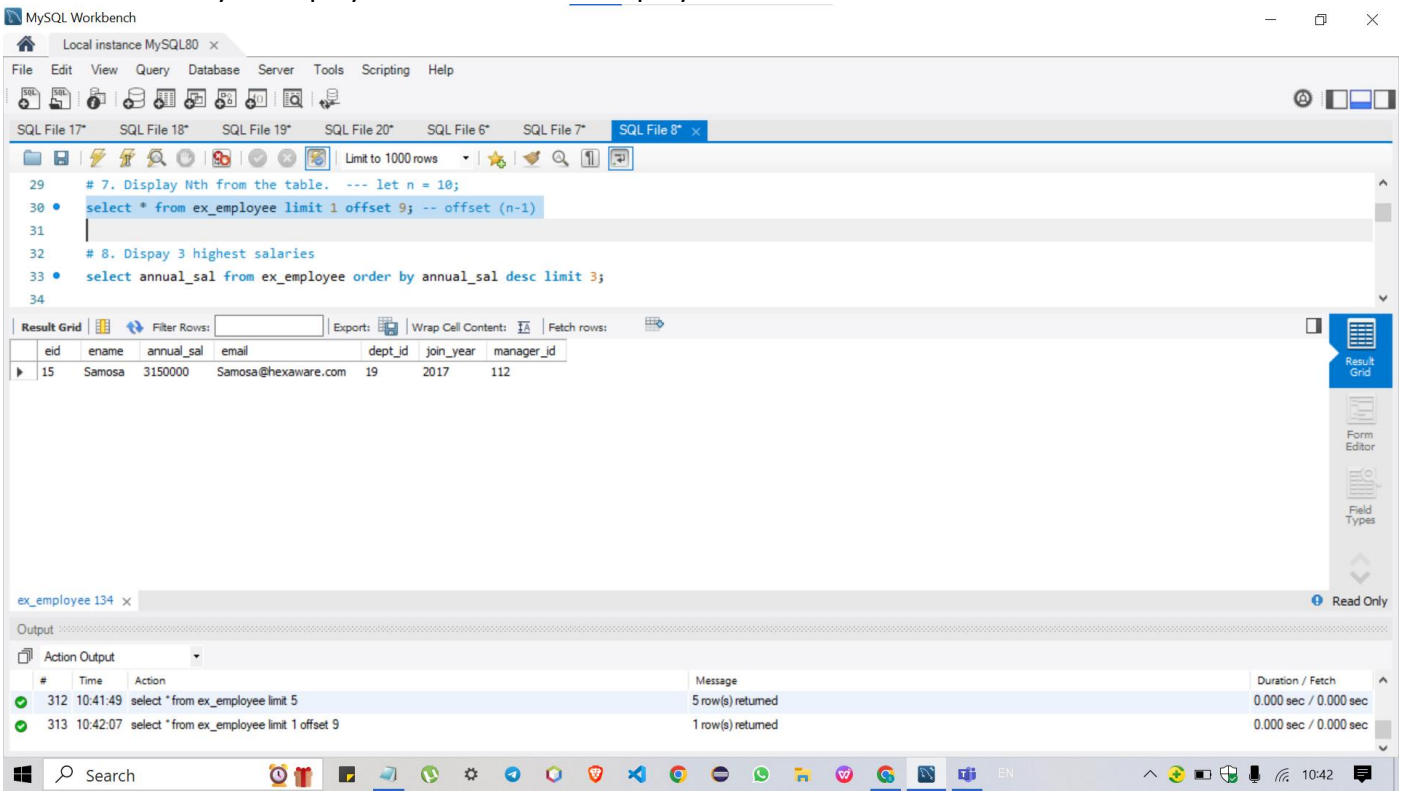
5.What is the Query to fetch last record from the table?



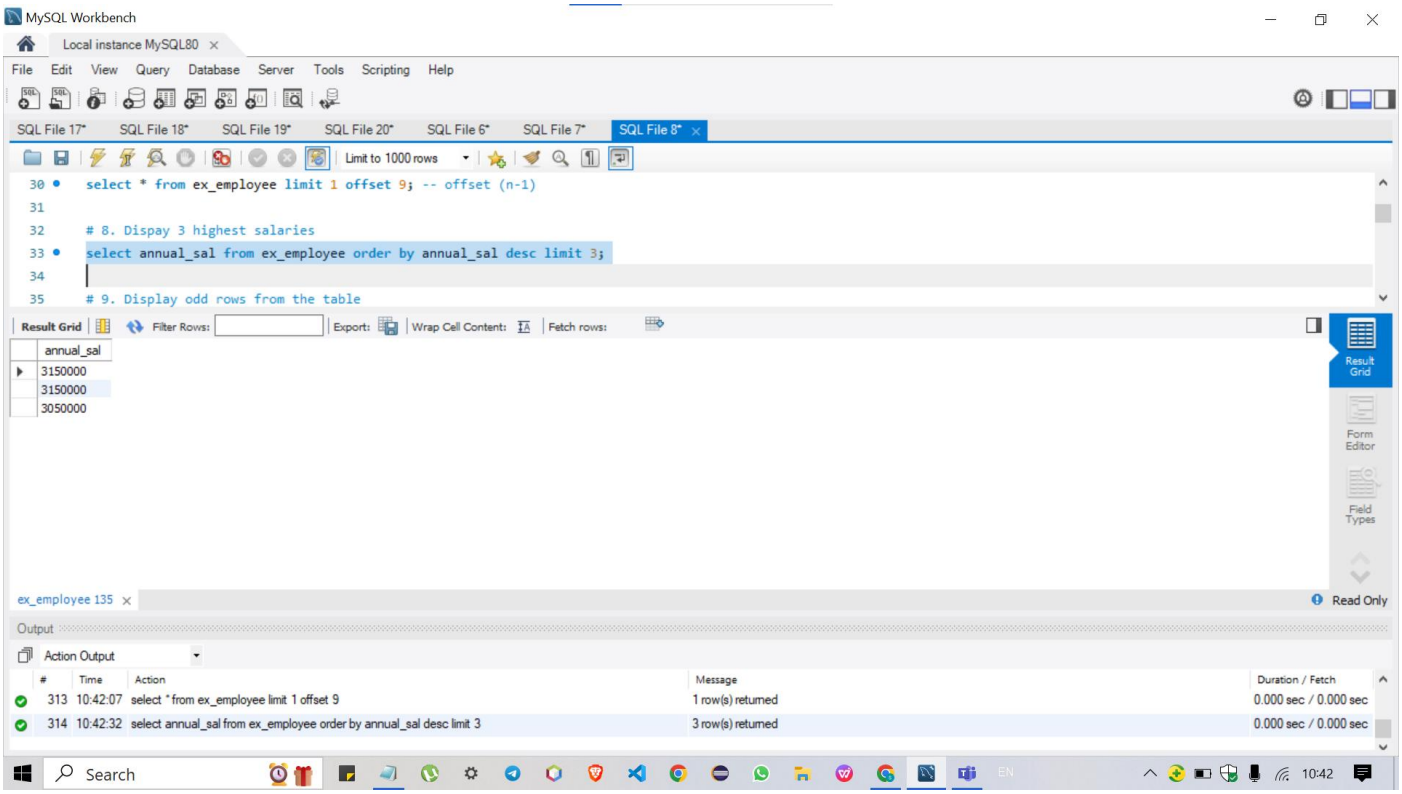
6.What is Query to display first 5 Records from Employee table?



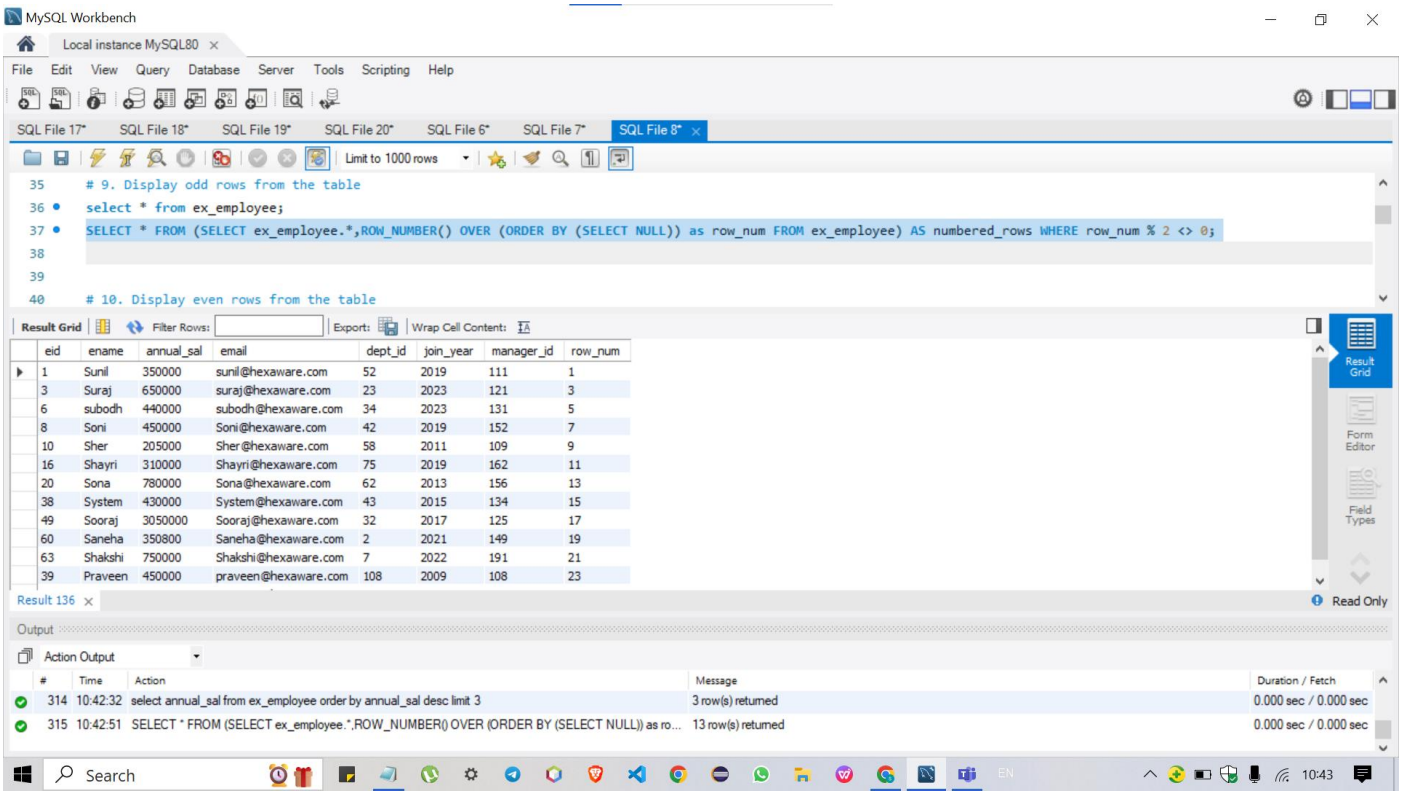
7. What is Query to display Nth Record from Employee table?



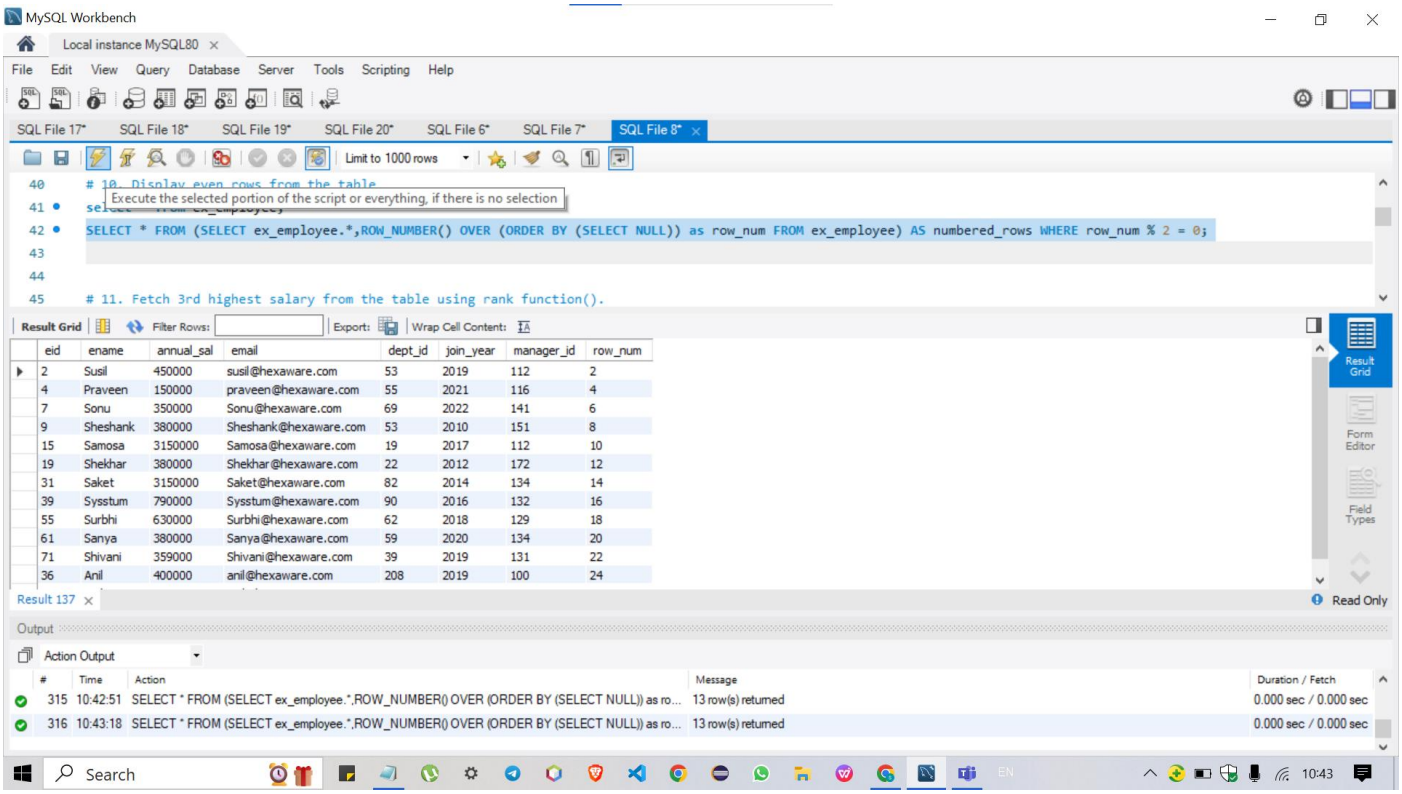
8.How to get 3 Highest salaries records from Employee table?



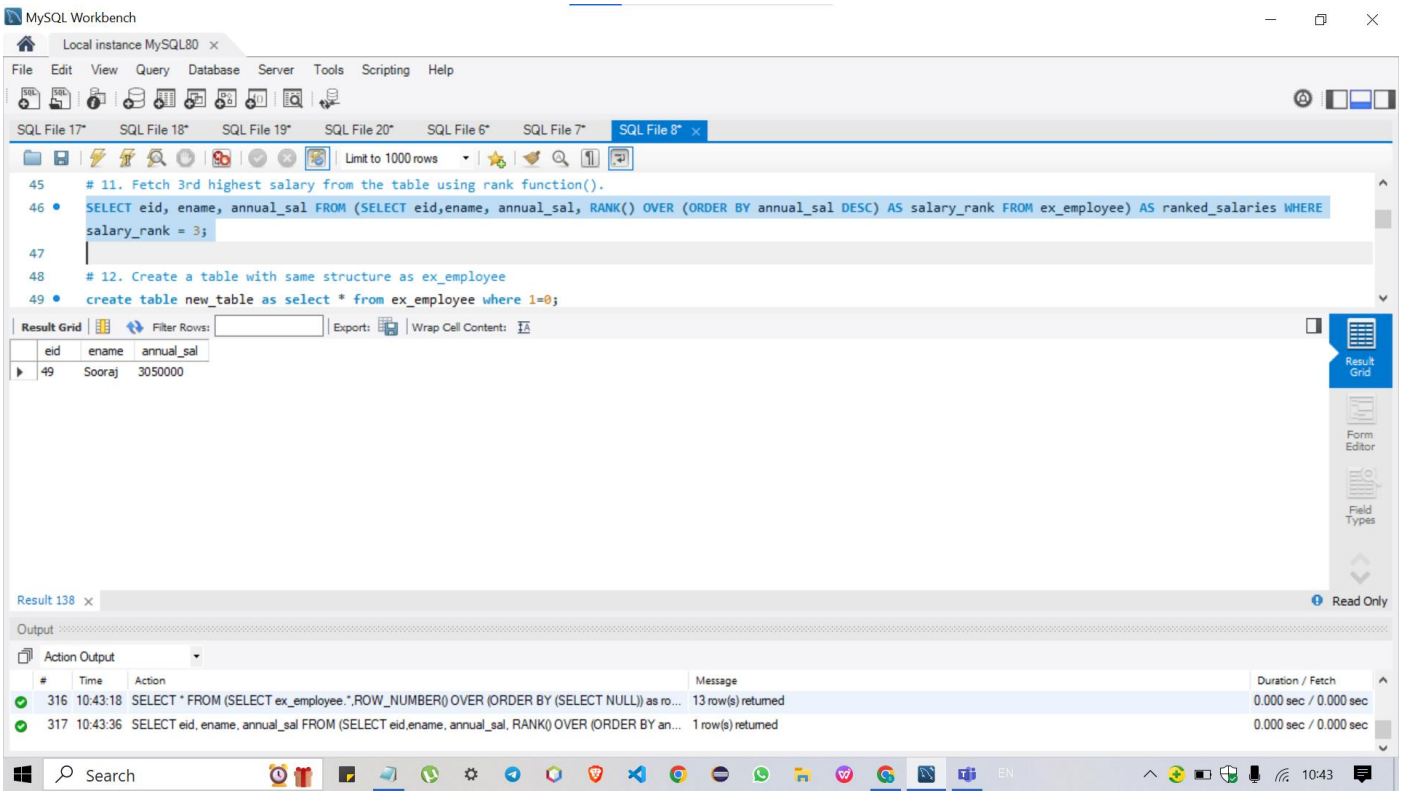
9.How to Display Odd rows in Employee table?



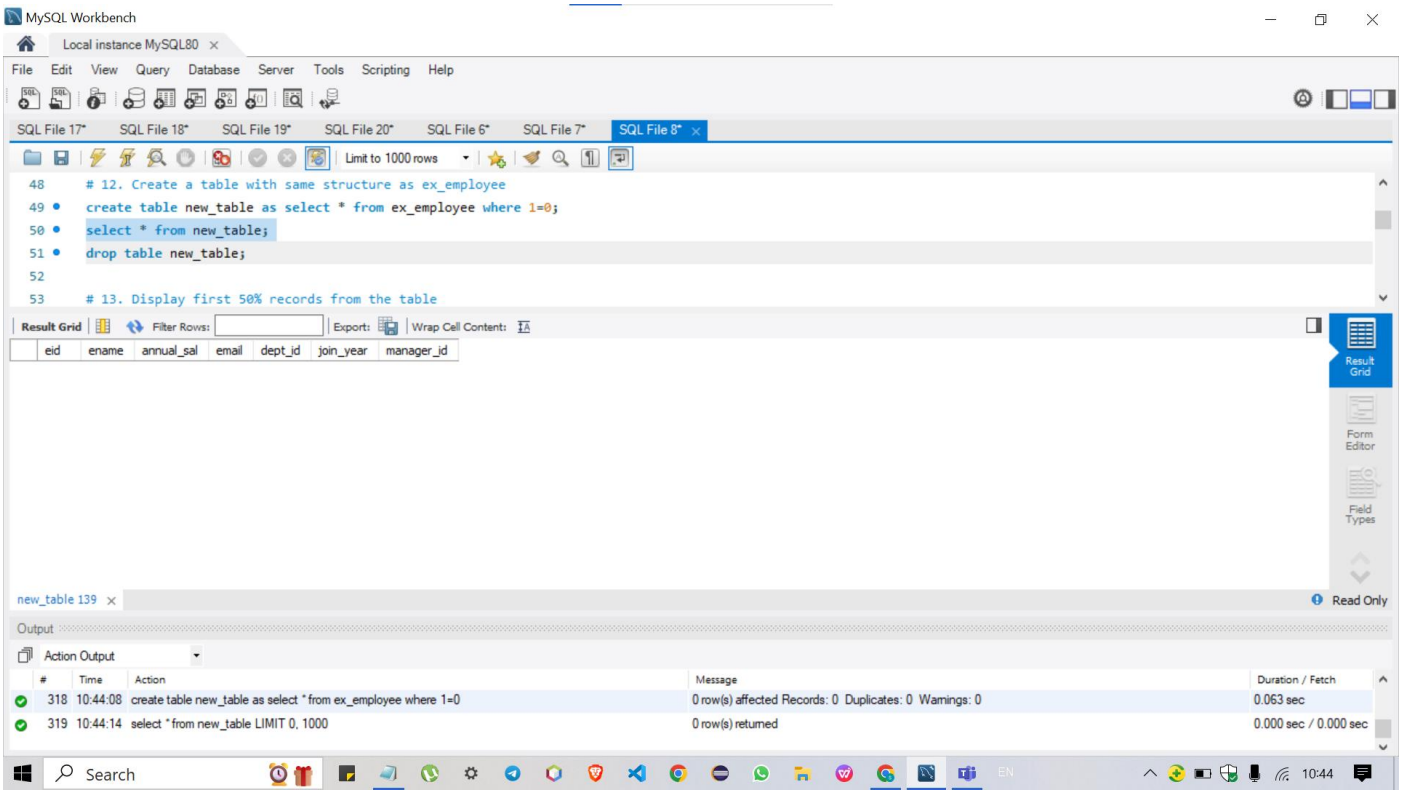
10.How to Display Even rows in Employee table?



11.How to fetch 3rd highest salary using Rank Function?

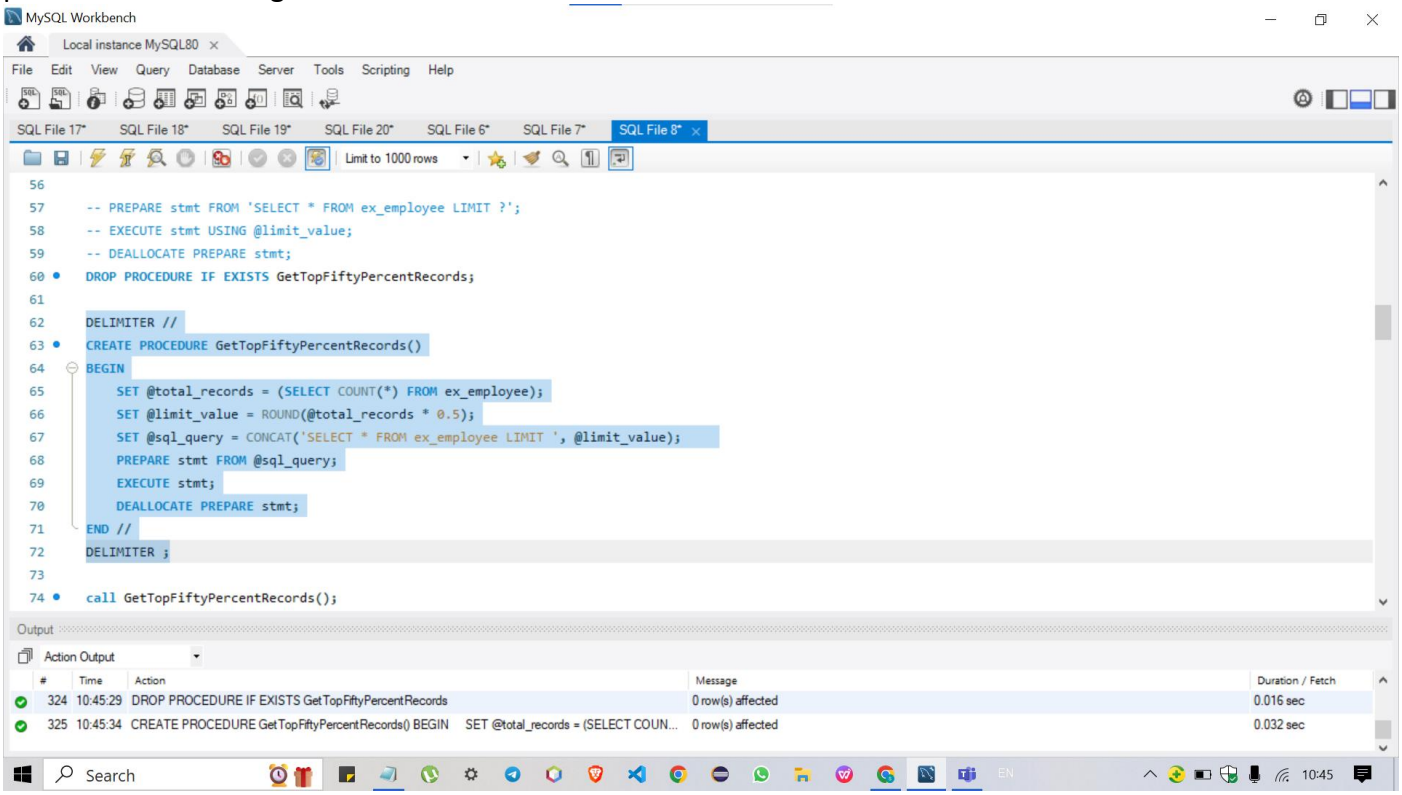


12.How Can i create table with same structure of Employee table?

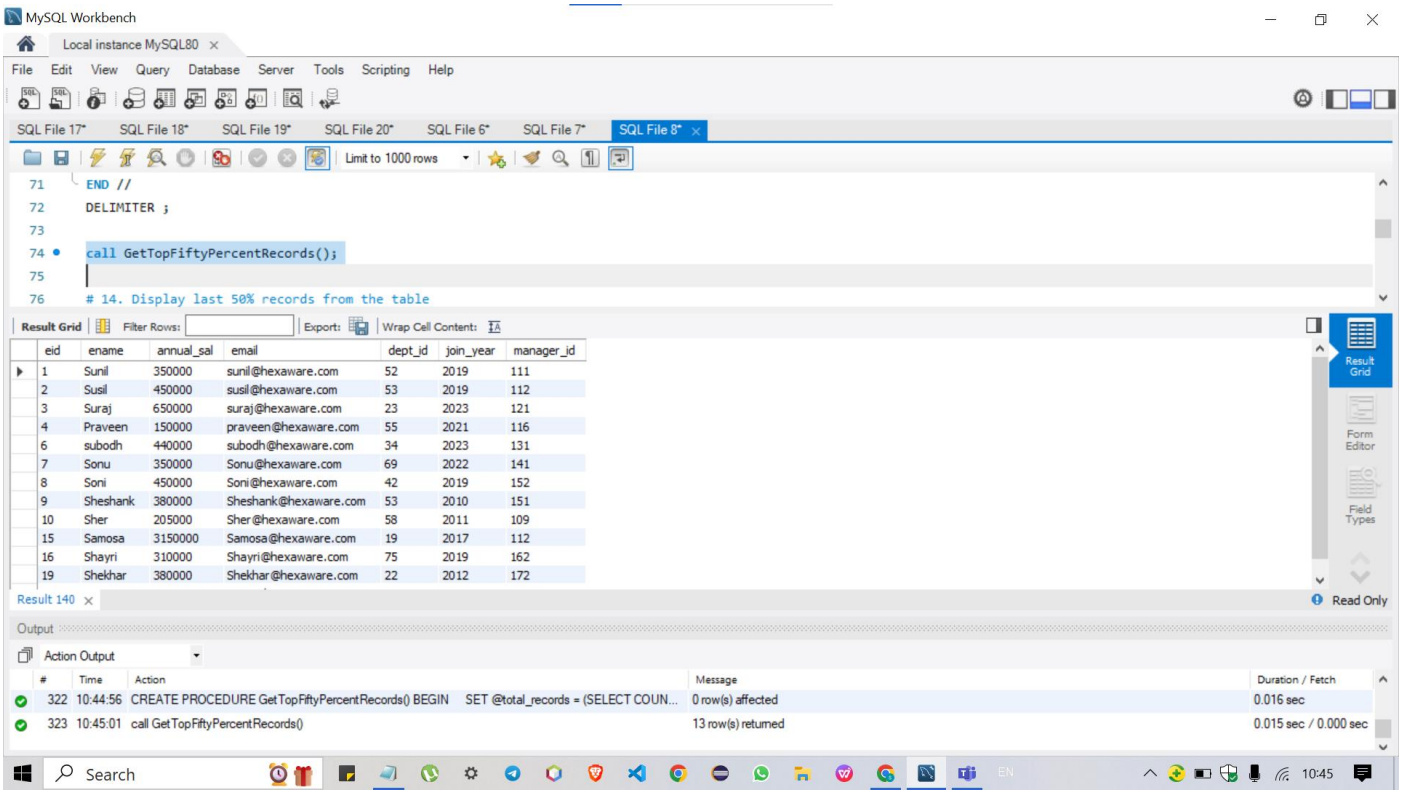


13.Display first 50% records from Employee table?

I have created a STORED PROCEDURE first and then called the procedure. The query exeecution of the procedure is folowing:

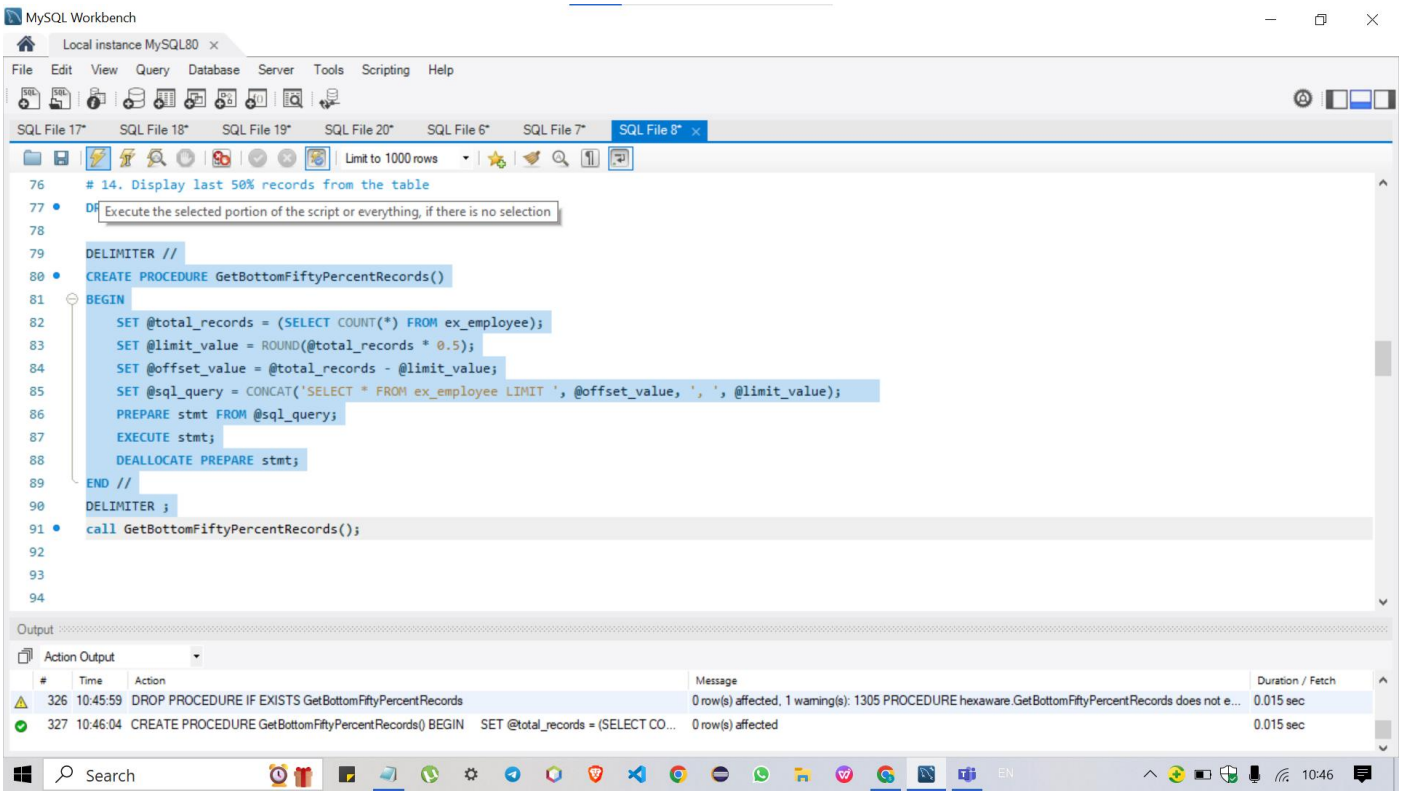


And then the query for fetching first 50% of record is as follows:

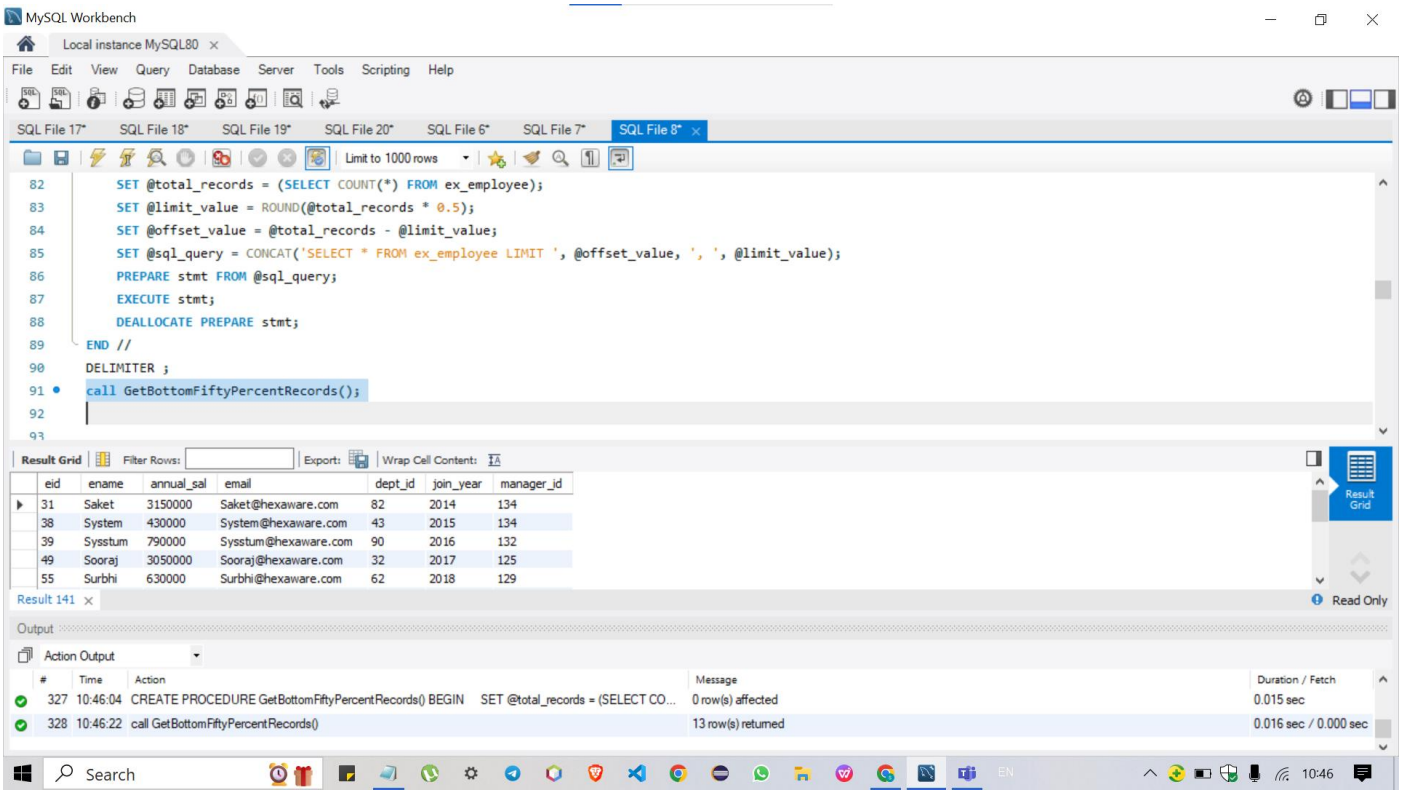


14.Display last 50% records from Employee table?

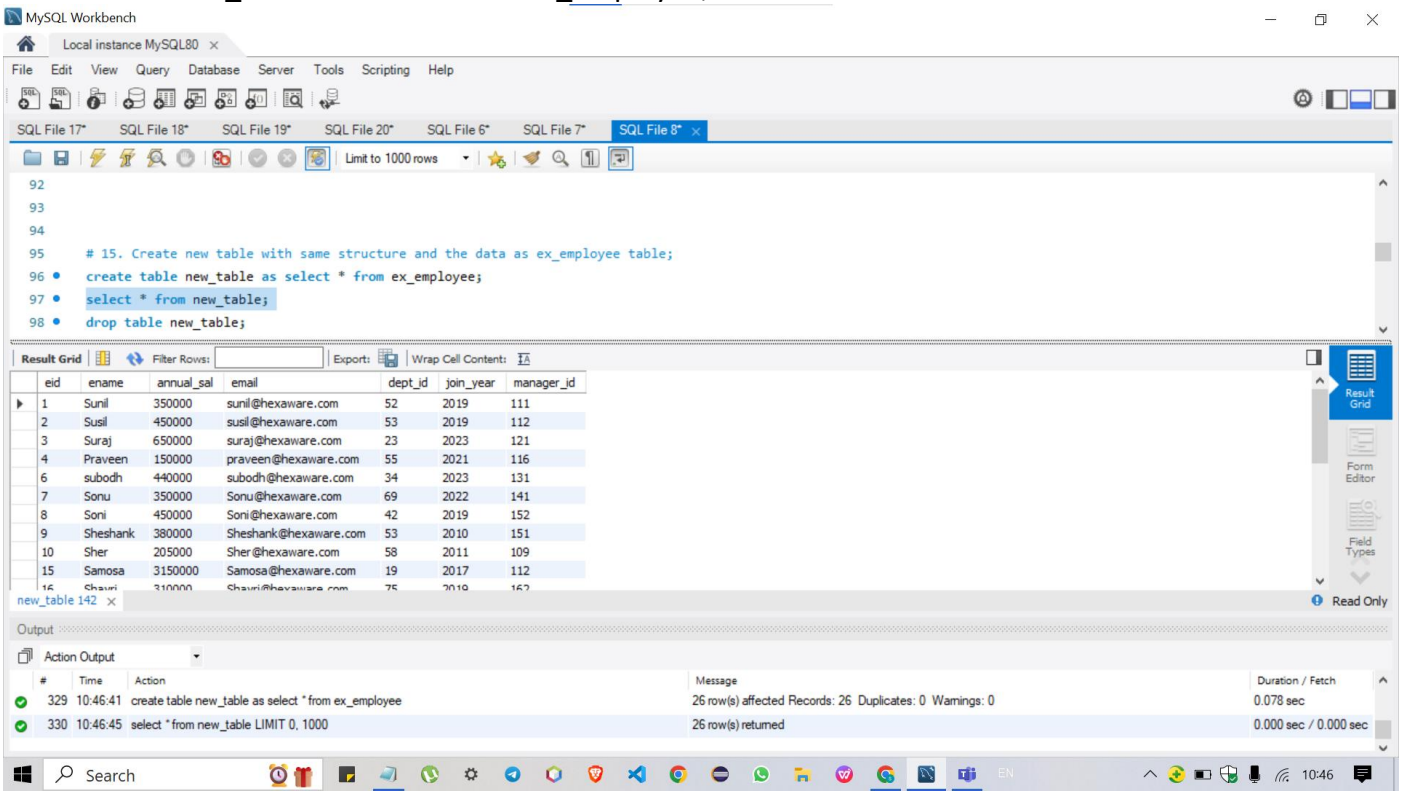
Similarly , I have created the STORED PROCEDURE for fetching the last 50% record as well.



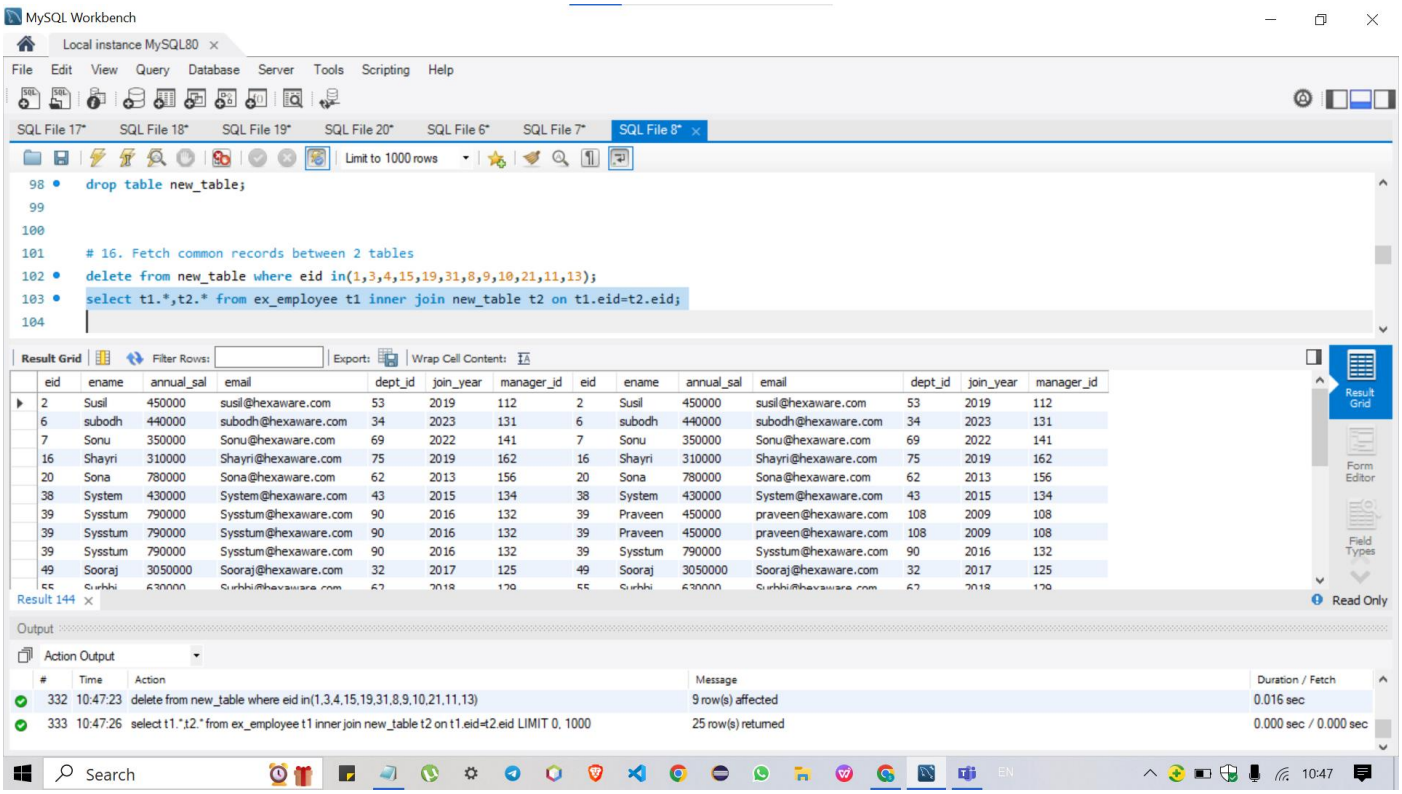
The output after calling the procedure is as follows:



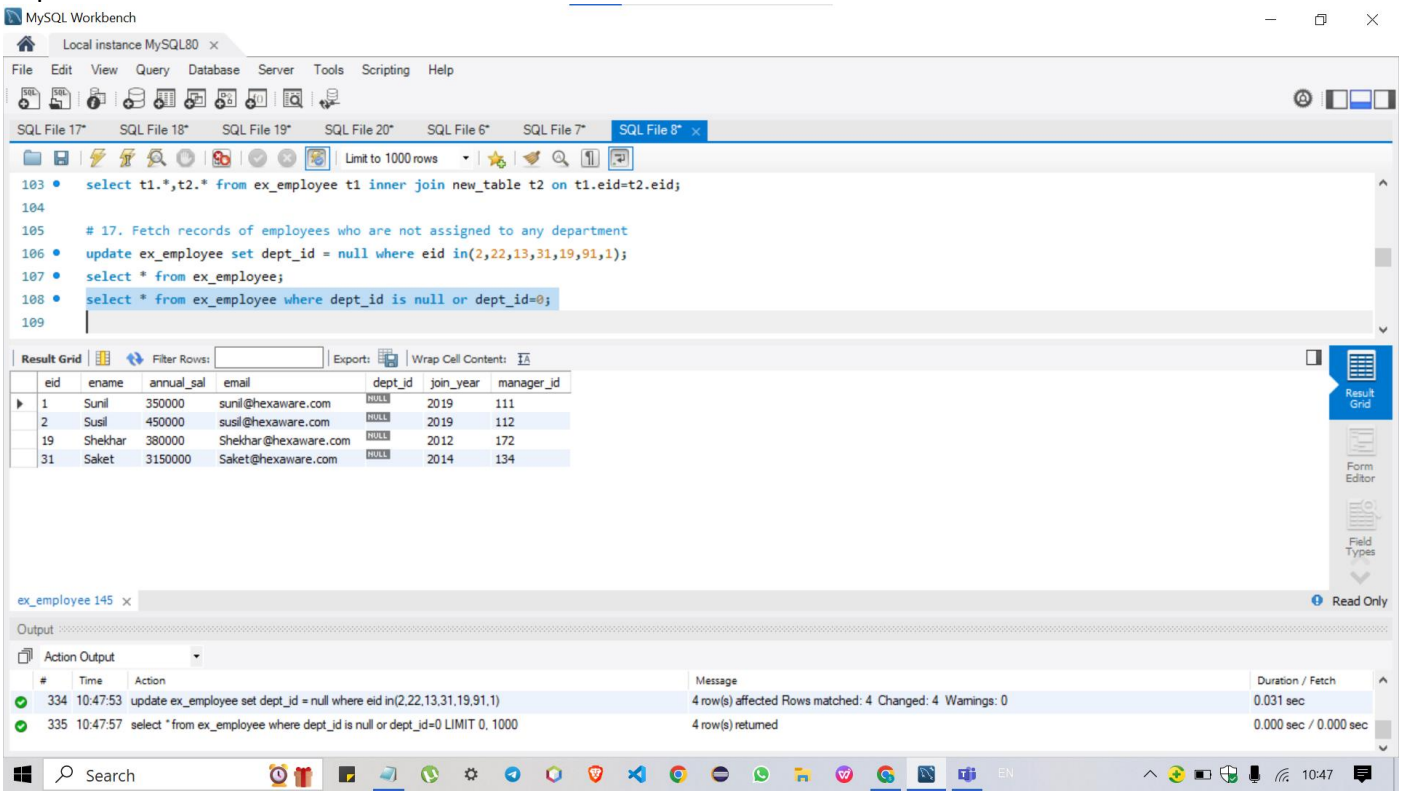
15.How Can i create table with same structure with data of Employe table?
Create table new_table as select * from ex_employee;



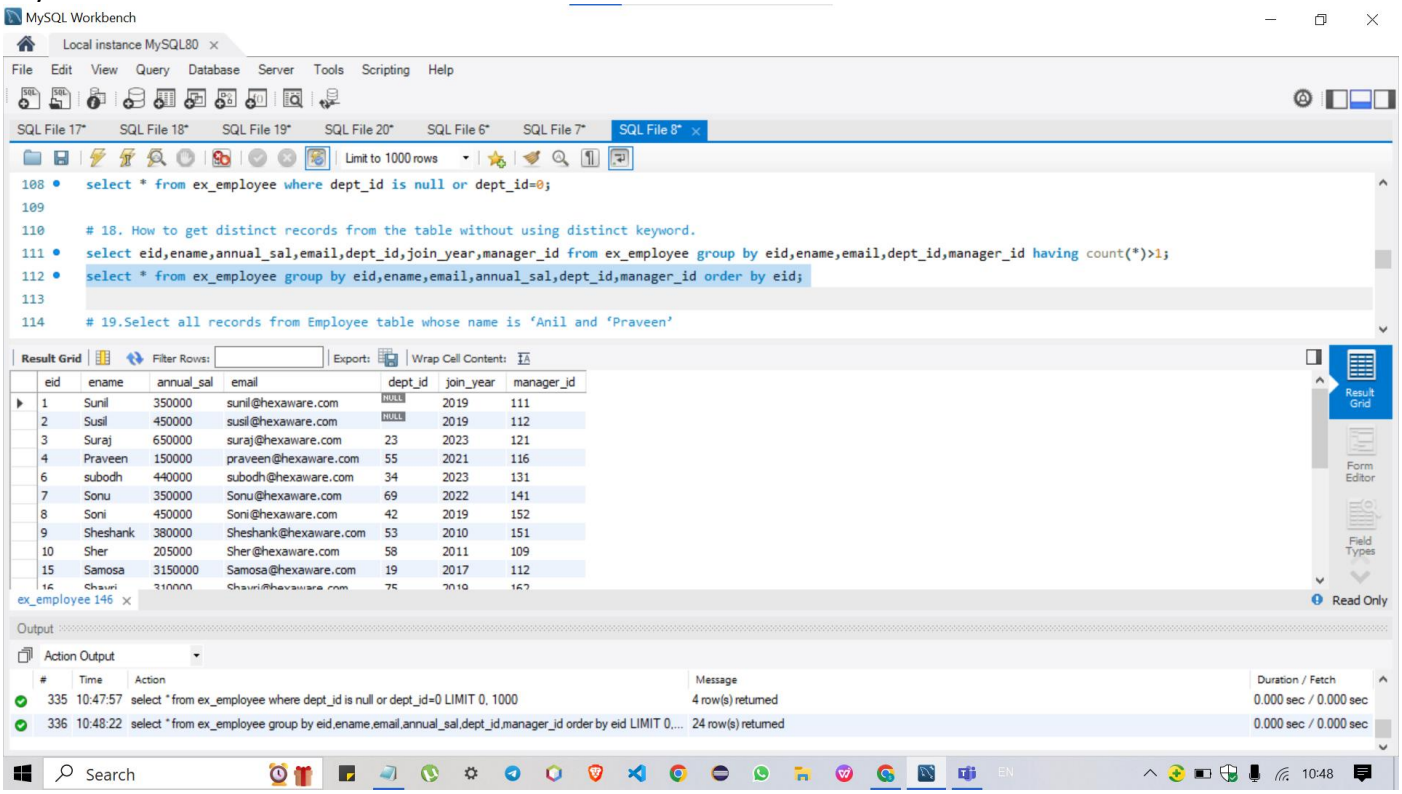
16.How do i fetch only common records between 2 tables.



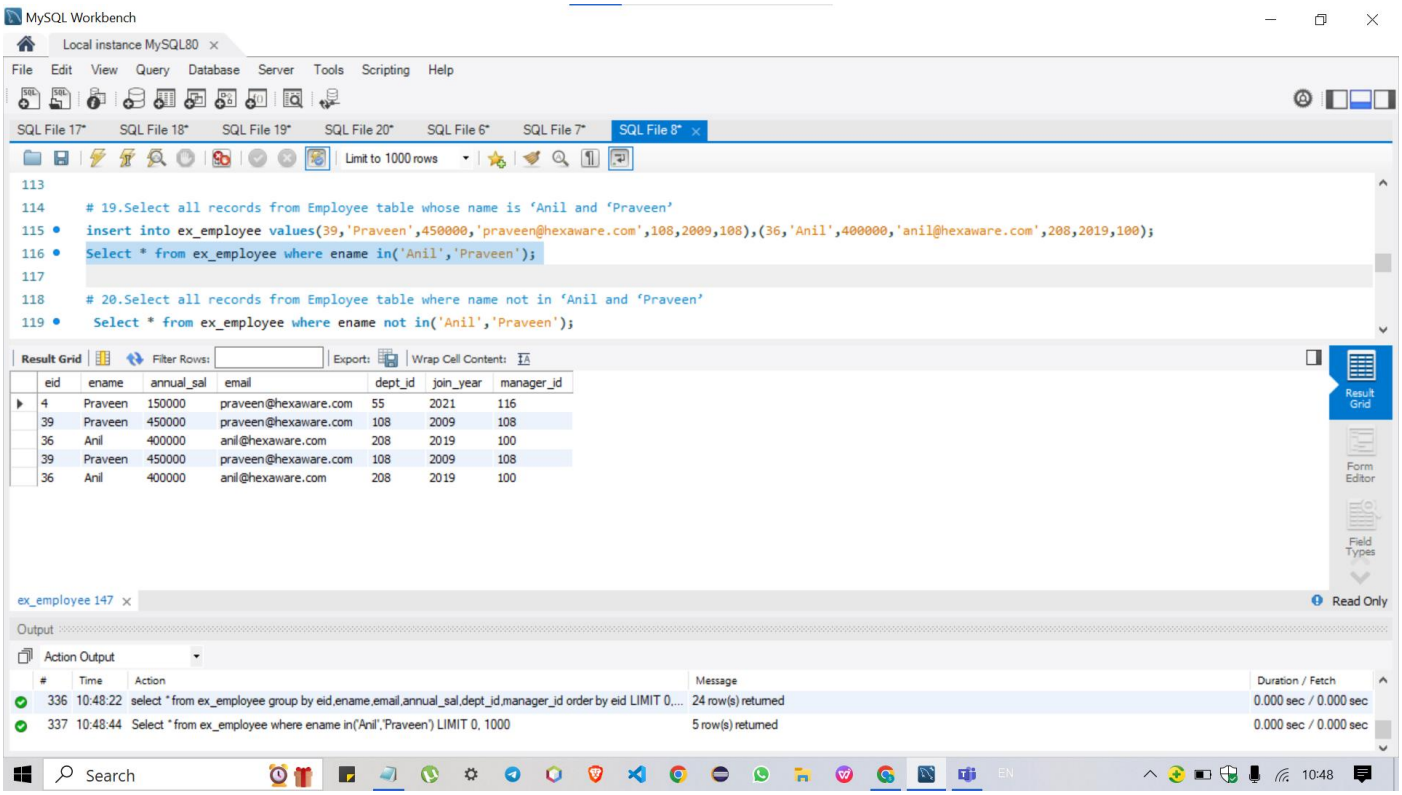
17.Find Query to get information of Employee where Employee is not assigned to the department



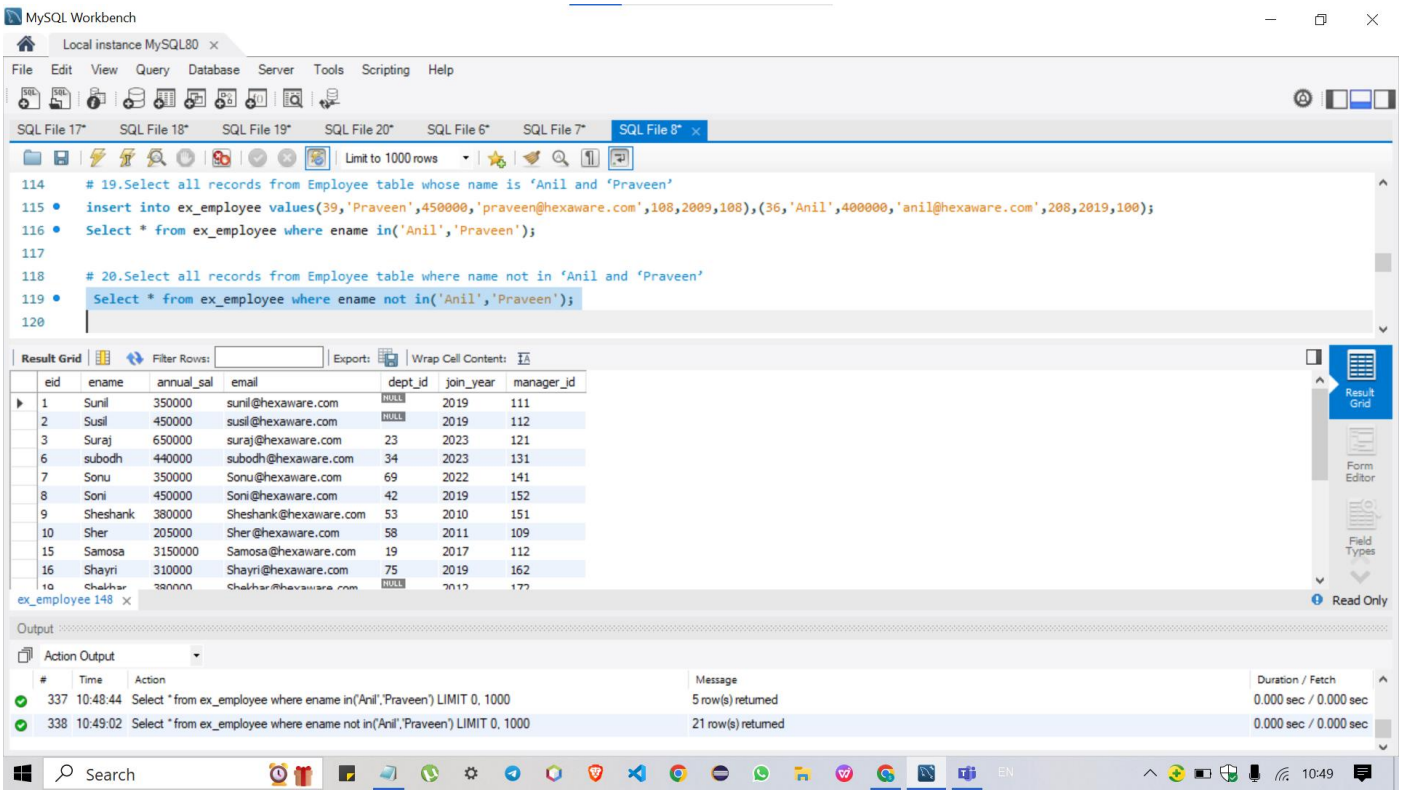
18.How to get distinct records from the table without using distinct keyword?



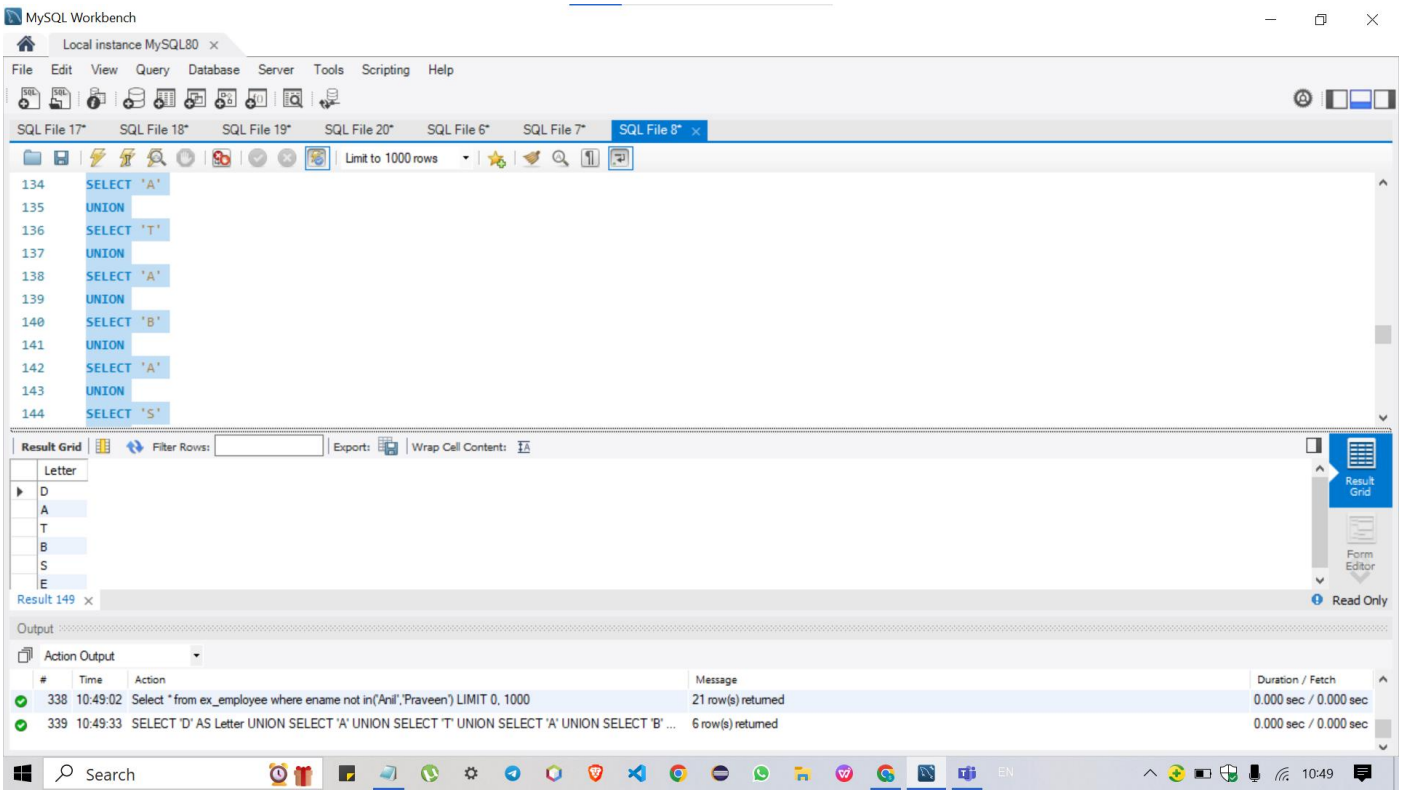
19.Select all records from Employee table whose name is 'Anil and 'Praveen'



20.Select all records from Employee table where name not in ‘Anil and ‘Praveen’



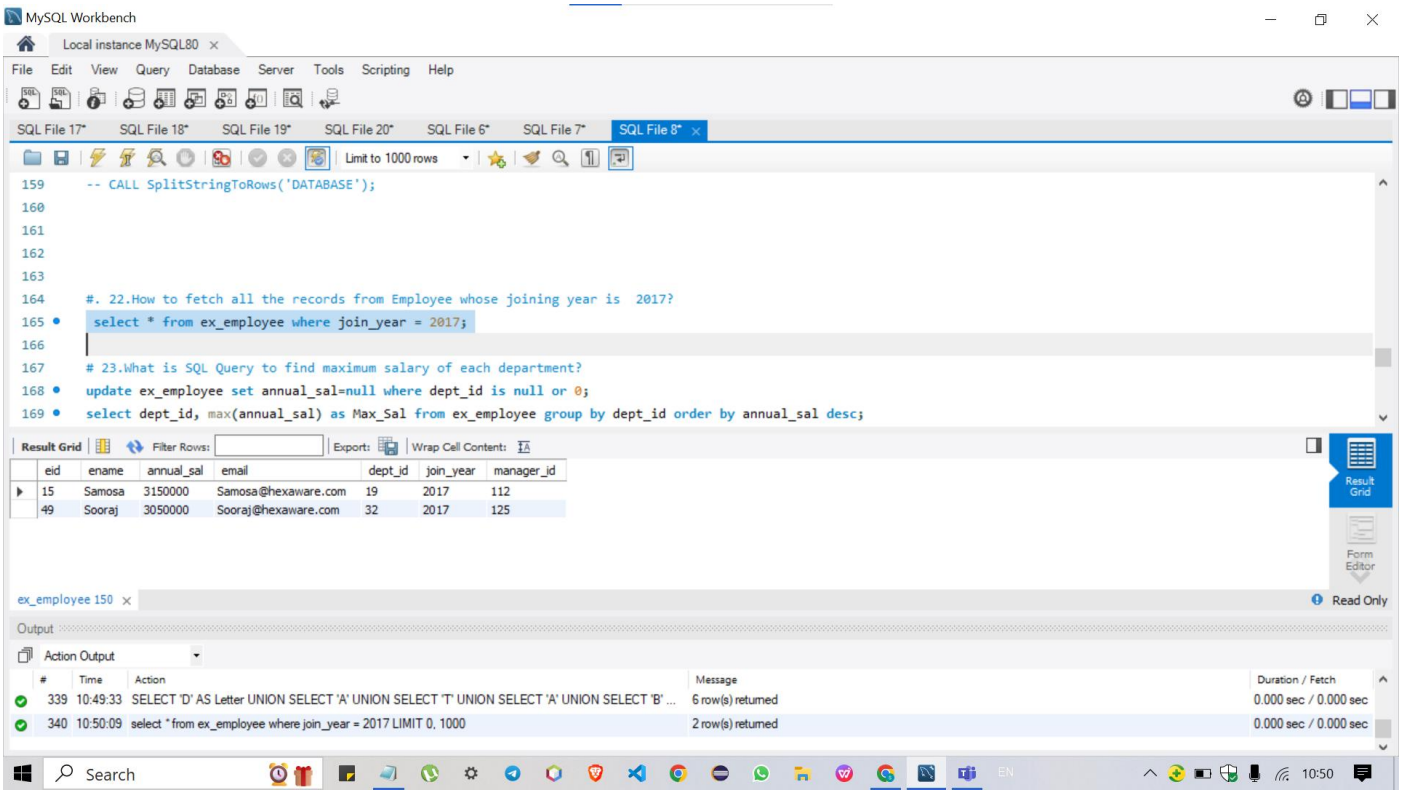
21.how to write sql query for the below scenario
I/p:DATABASE
O/p:
D
A
T
A
B
A
S
E



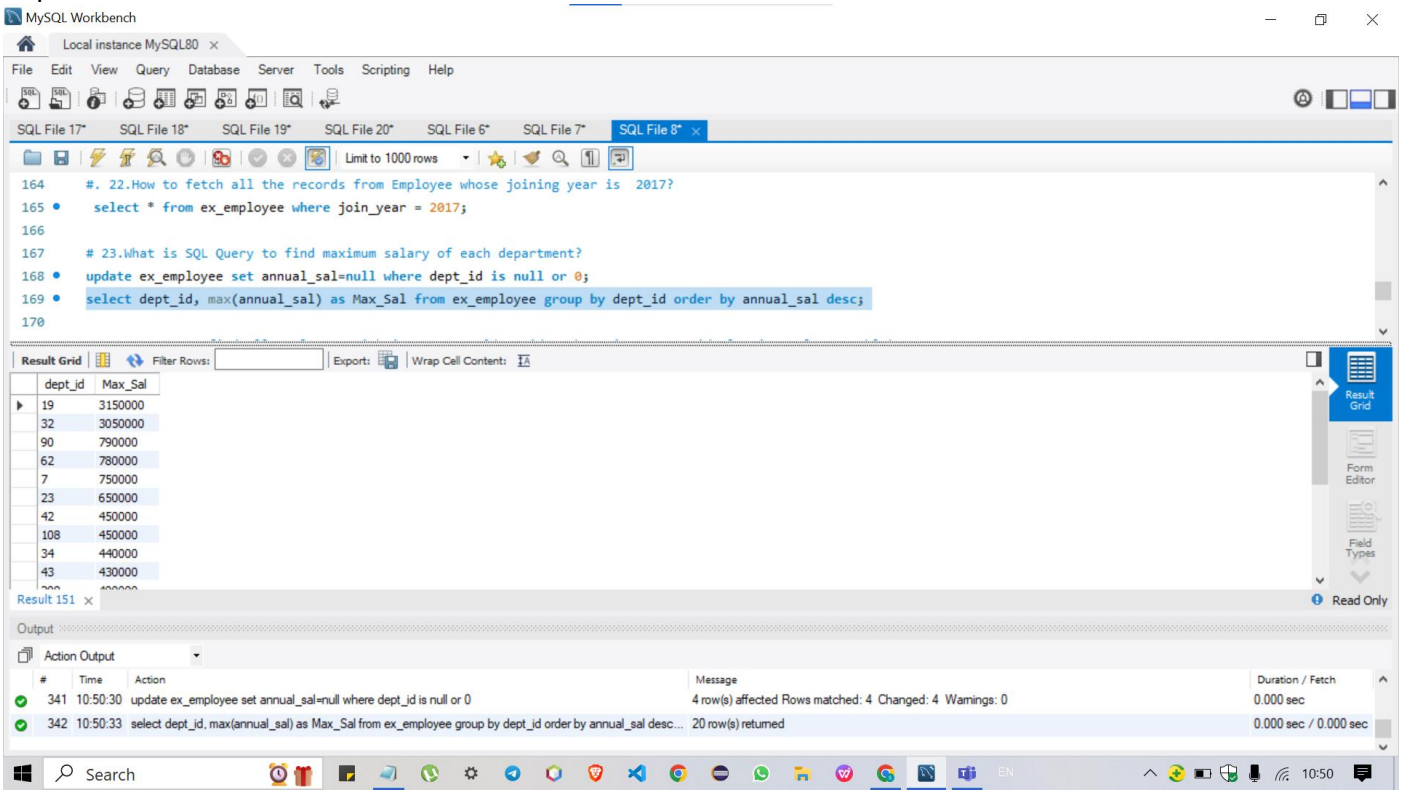
The above query I used is something like Brute-Force and it is not flexible also. But the same can be done using Stored Procedure and calling the procedure with an IN input. Like as Following:

```
-- DELIMITER //
-- CREATE PROCEDURE SplitStringToRows(IN input_string VARCHAR(255))
-- BEGIN
--     DECLARE i INT DEFAULT 1;
--     DECLARE char_length INT;--
--     SET char_length = LENGTH(input_string);
--     WHILE i <= char_length DO
--         SELECT SUBSTRING(input_string, i, 1) AS Letter;
--         SET i = i + 1;
--     END WHILE;
-- END //
-- DELIMITER ;
-- CALL SplitStringToRows('DATABASE');
```

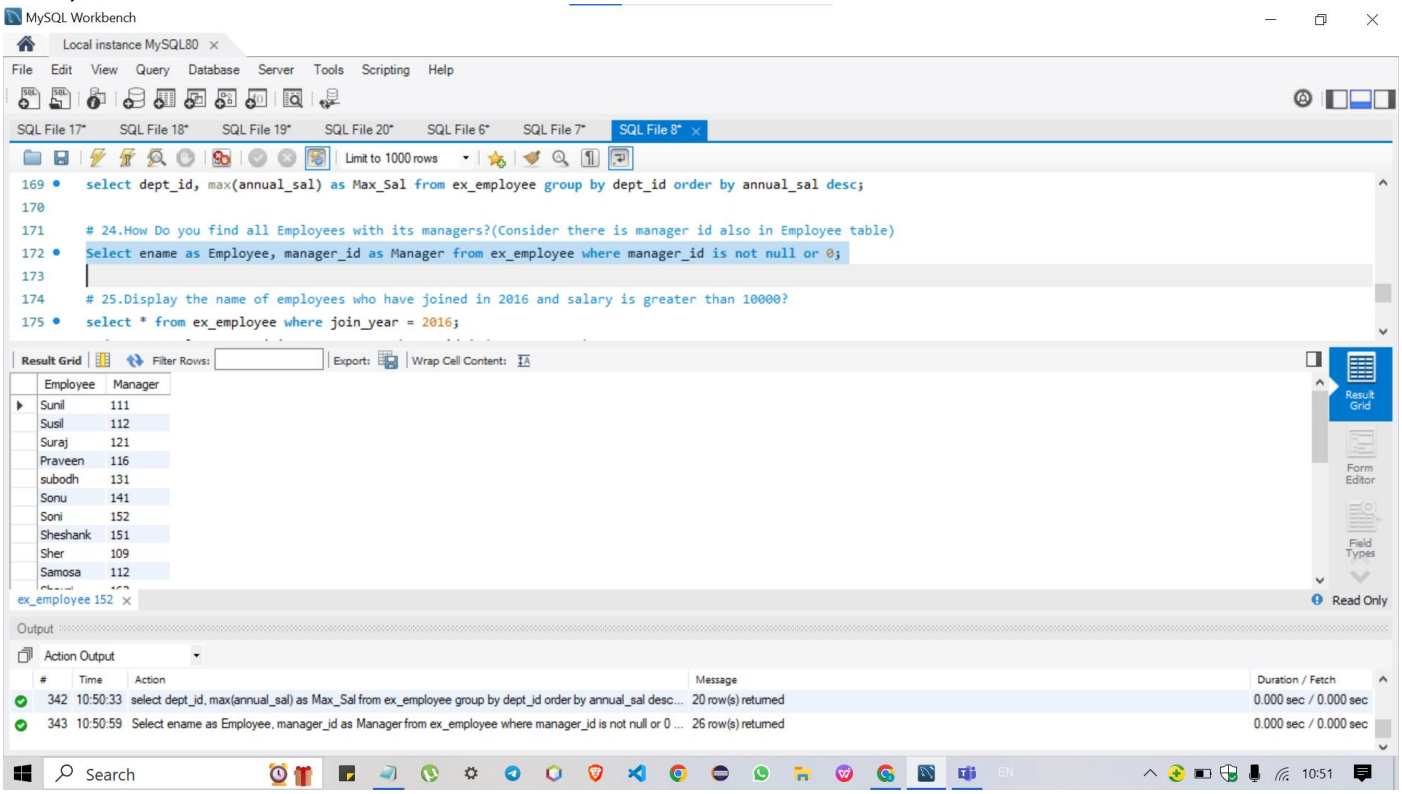
22.How to fetch all the records from Employee whose joining year is 2017?



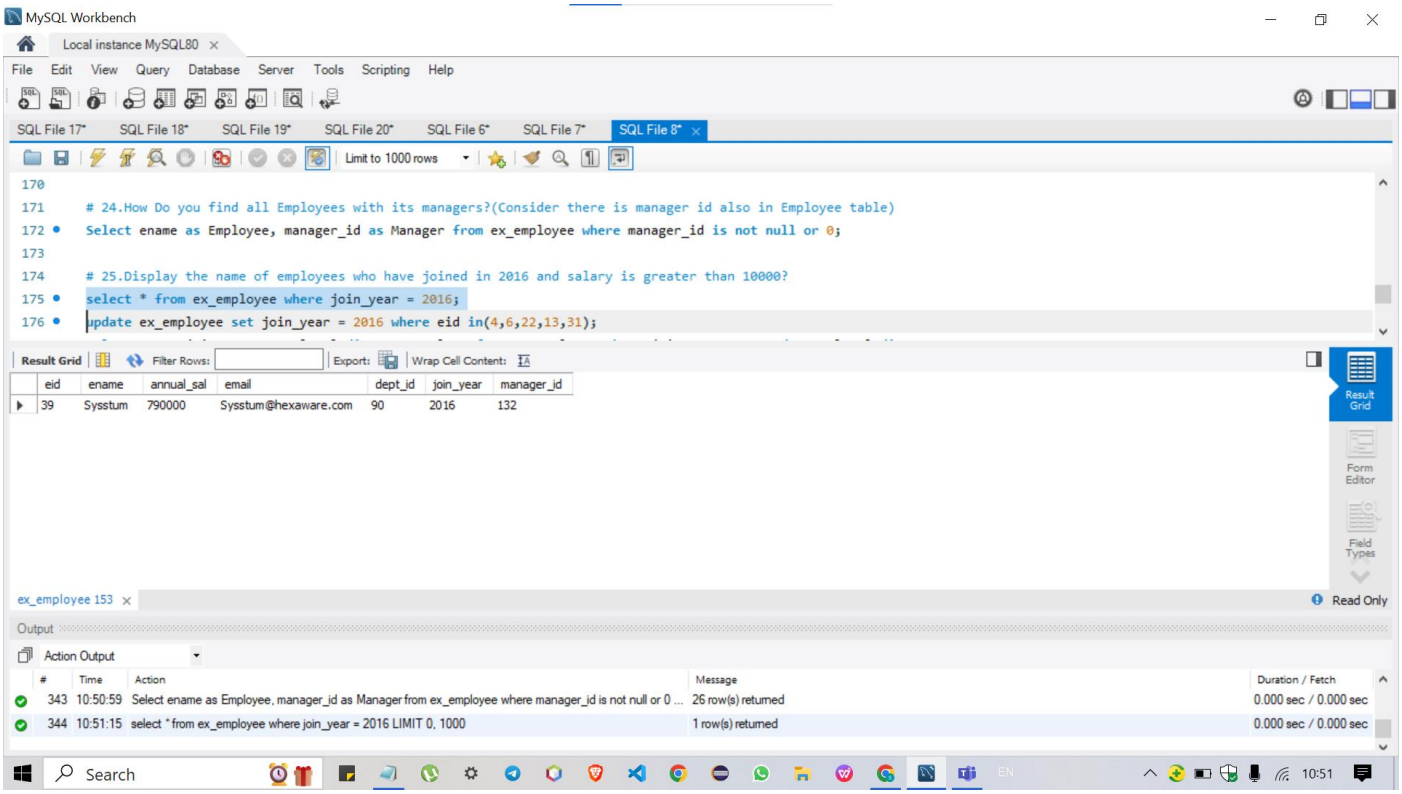
23.What is SQL Query to find maximum salary of each department?



24.How Do you find all Employees with its managers?(Consider there is manager id also in Employee table)?



25.Display the name of employees who have joined in 2016 and salary is greater than 10000?



26.How to display following using query?

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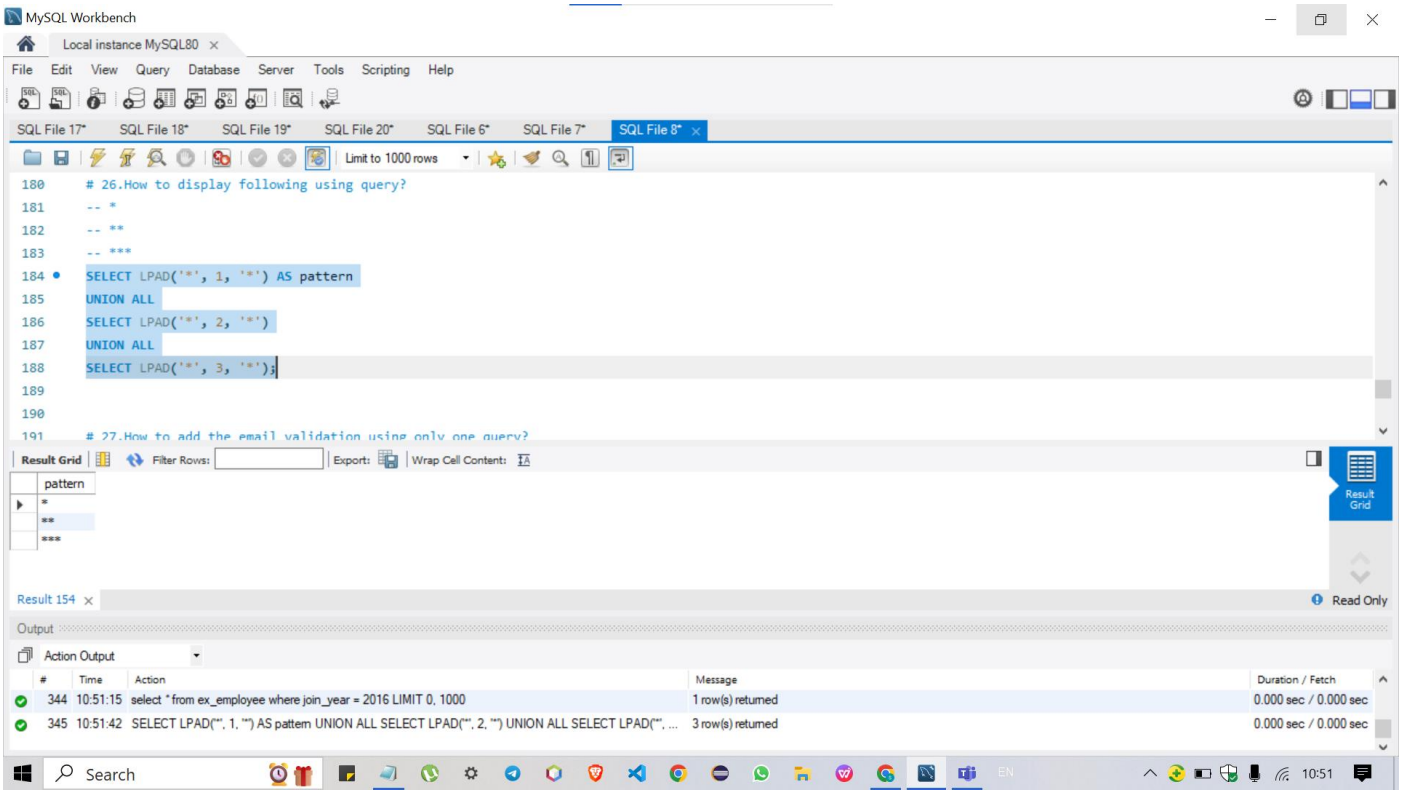
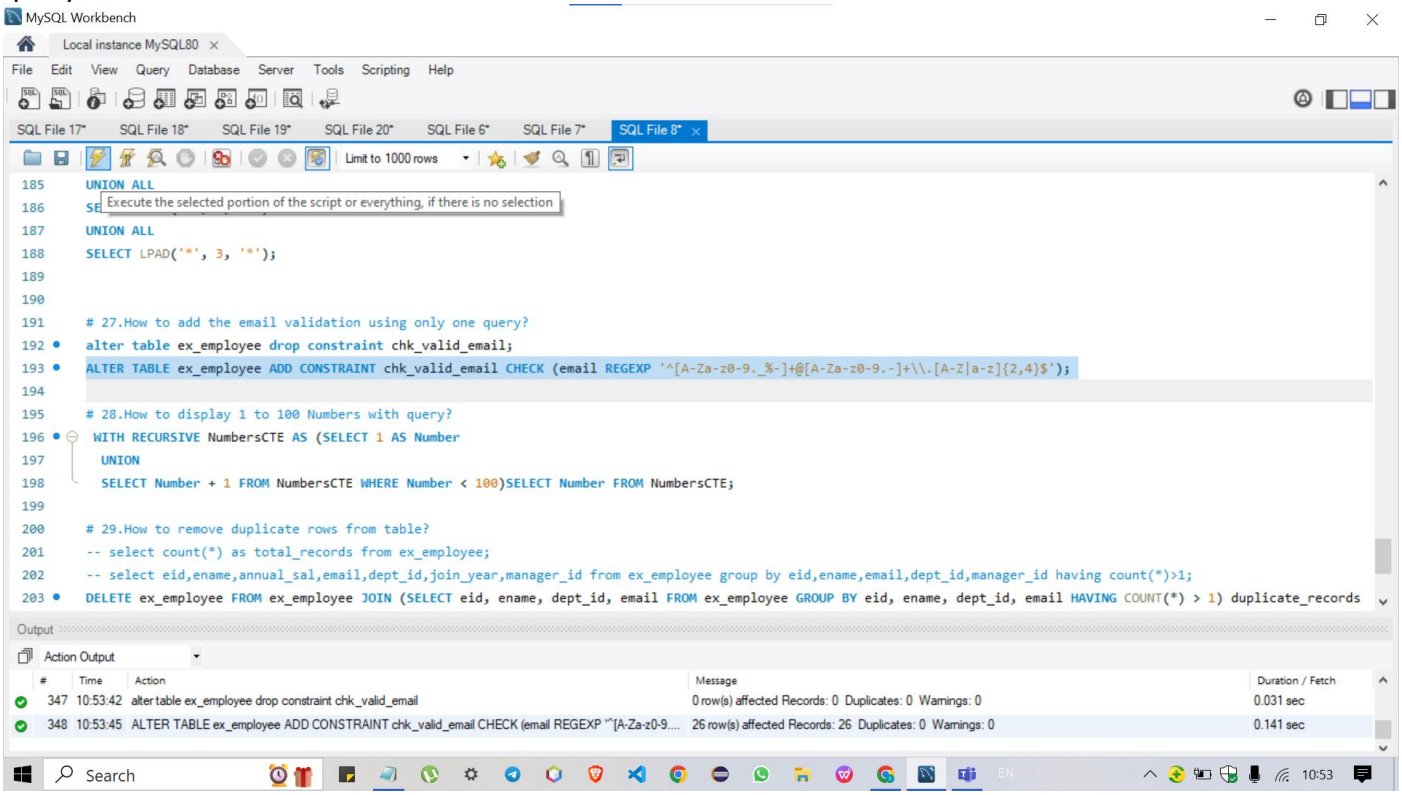
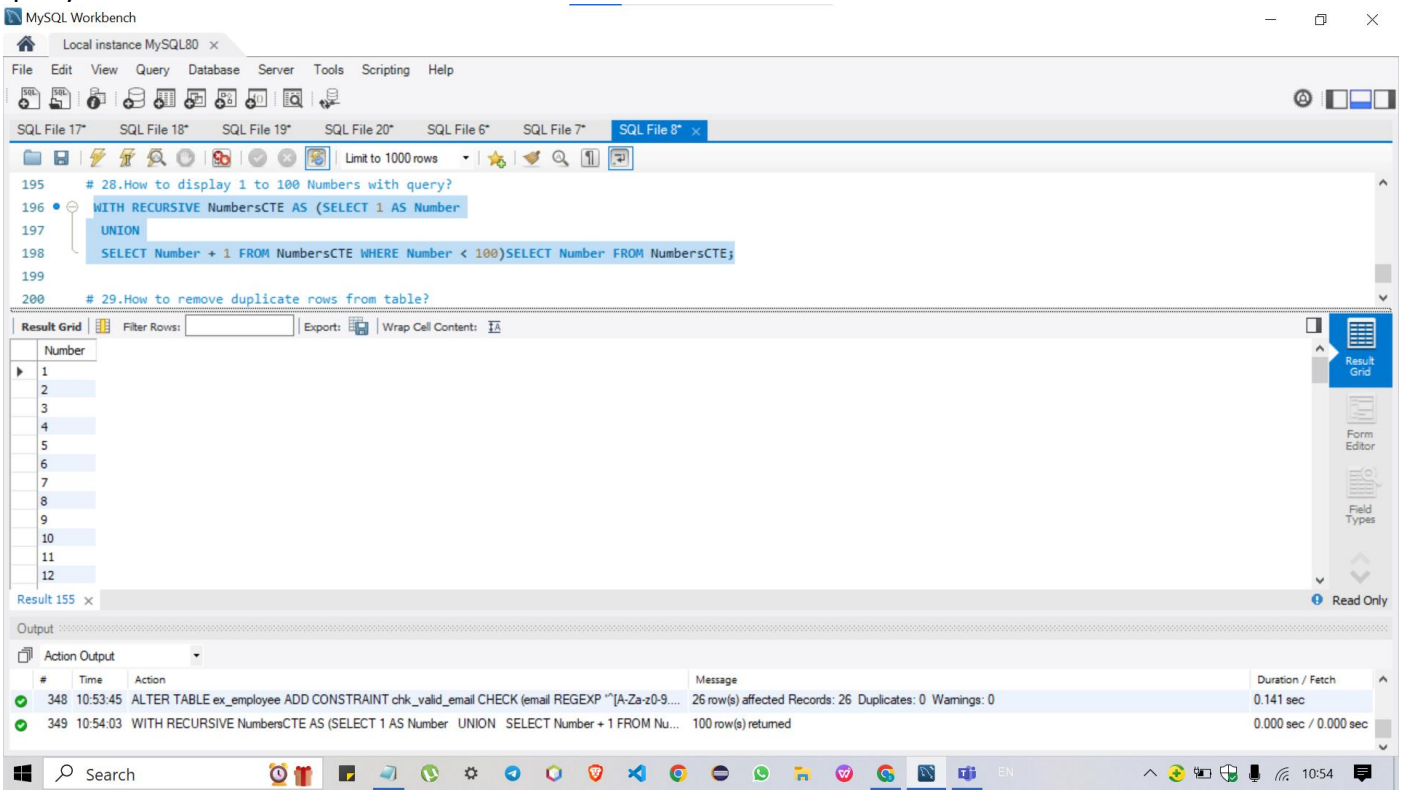


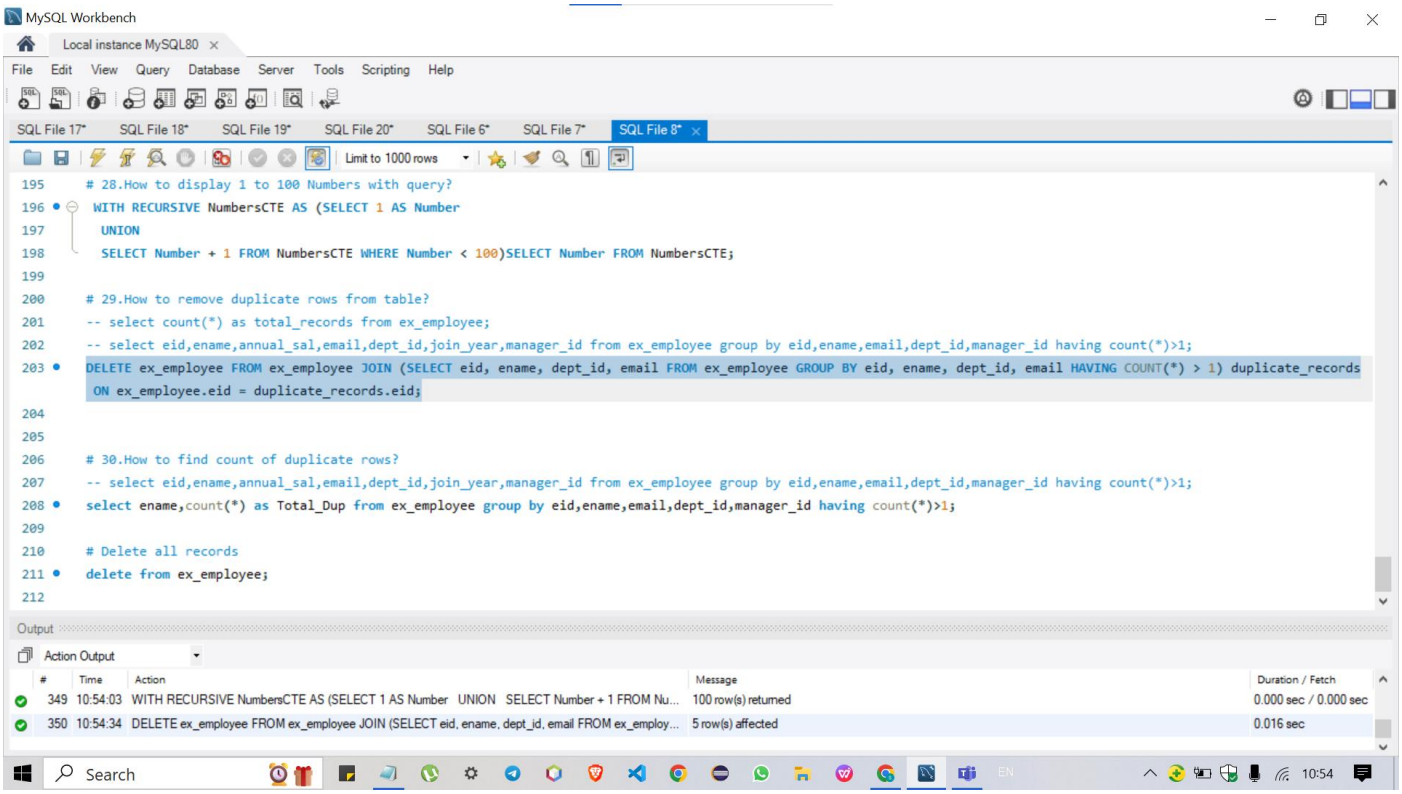
27.How to add the email validation using only one query?



28.How to display 1 to 100 Numbers with query?++



29.How to remove duplicate rows from table?++



30.How to find count of duplicate rows?

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