**SQL\_Assignment-3 🡪14/07/2021**

**/\*Creating Employee and Department Tables \*/**

**create** **table** department\_sr(

dep\_id **int** **not** **null** **primary** **key**,

dep\_name **varchar**(50)

);

**create** **table** employee\_sr(

emp\_id **int** **not** **null** **primary** **key**,

emp\_name **varchar**(50),

emp\_salary **int**,

dep\_id **int**,

**foreign** **key**(dep\_id) **references** department\_sr(dep\_id)

);

**/\*Inserting Values into the tables \*/**

**insert** **into** department\_sr **values**

(1,'Accounting'),

(2,'Research'),

(3,'Sales'),

(4,'Operations'),

(5,'Testing'),

(6,'Development'),

(7,'HR');

**insert** **into** employee\_sr **values**

(1,'Smith',50000,7),

(2,'Allen',30000,3),

(3,'Ward',60000,6),

(4,'Jones',30000,5),

(5,'Martin',50000,1),

(6,'Blake',40000,1),

(7,'Clark',35000,2),

(8,'Scott',55000,3),

(9,'King',60000,5),

(10,'Turner',50000,4),

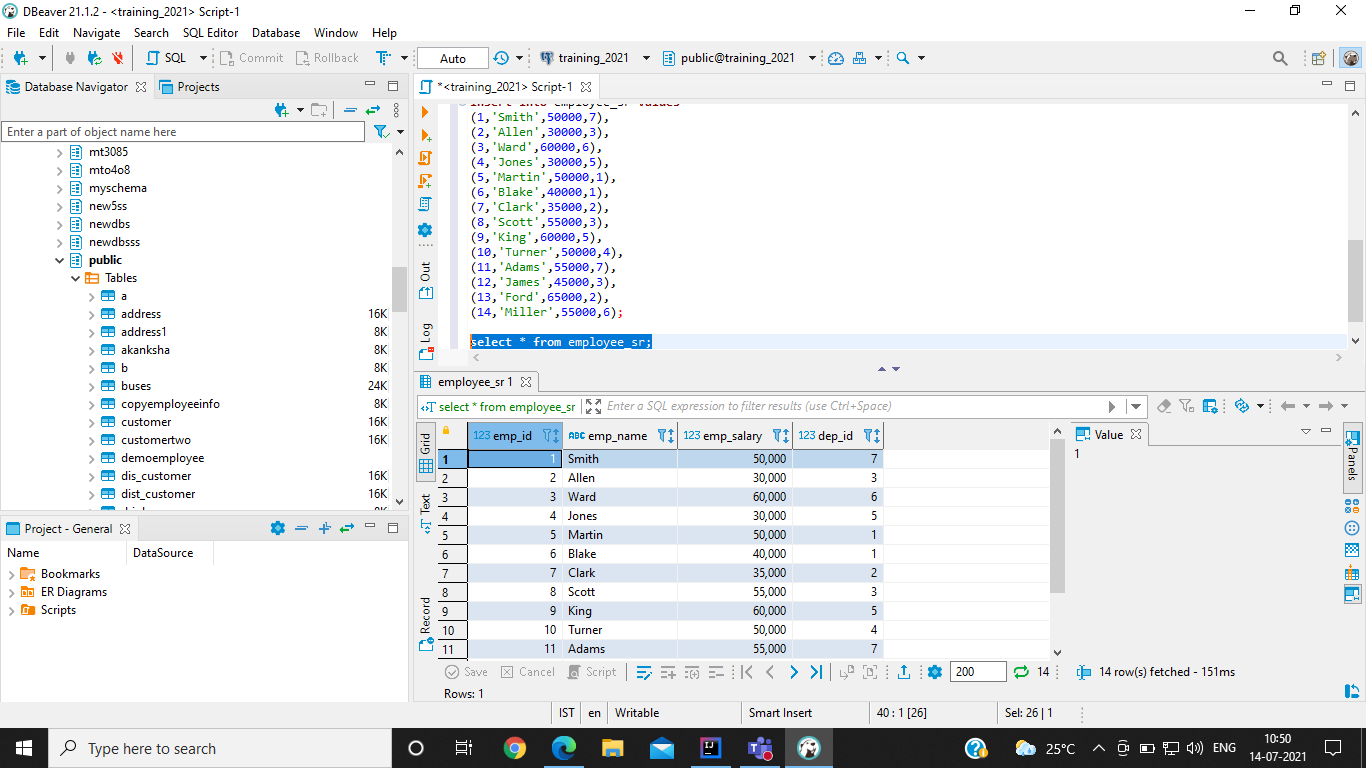
(11,'Adams',55000,7),

(12,'James',45000,3),

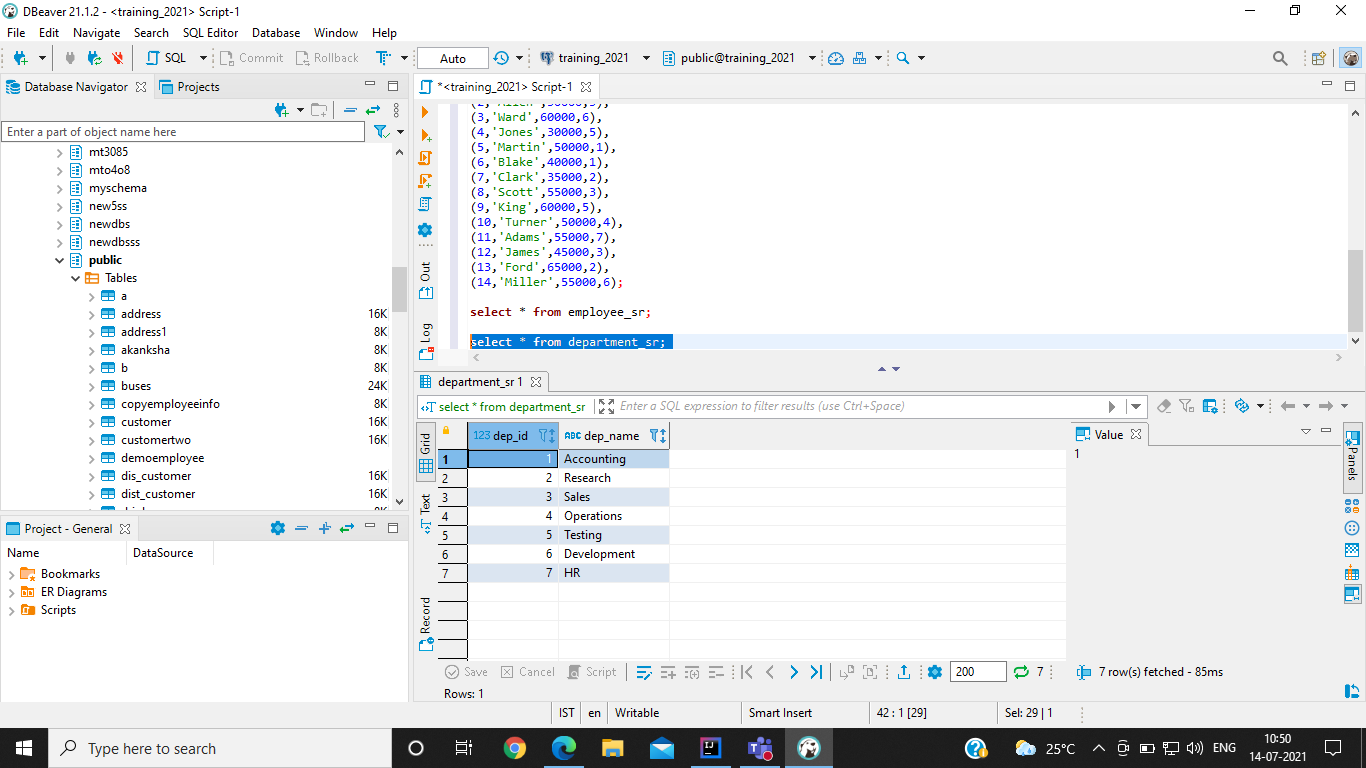
(13,'Ford',65000,2),

(14,'Miller',55000,6);

**select** \* **from** employee\_sr;



**select** \* **from** department\_sr;



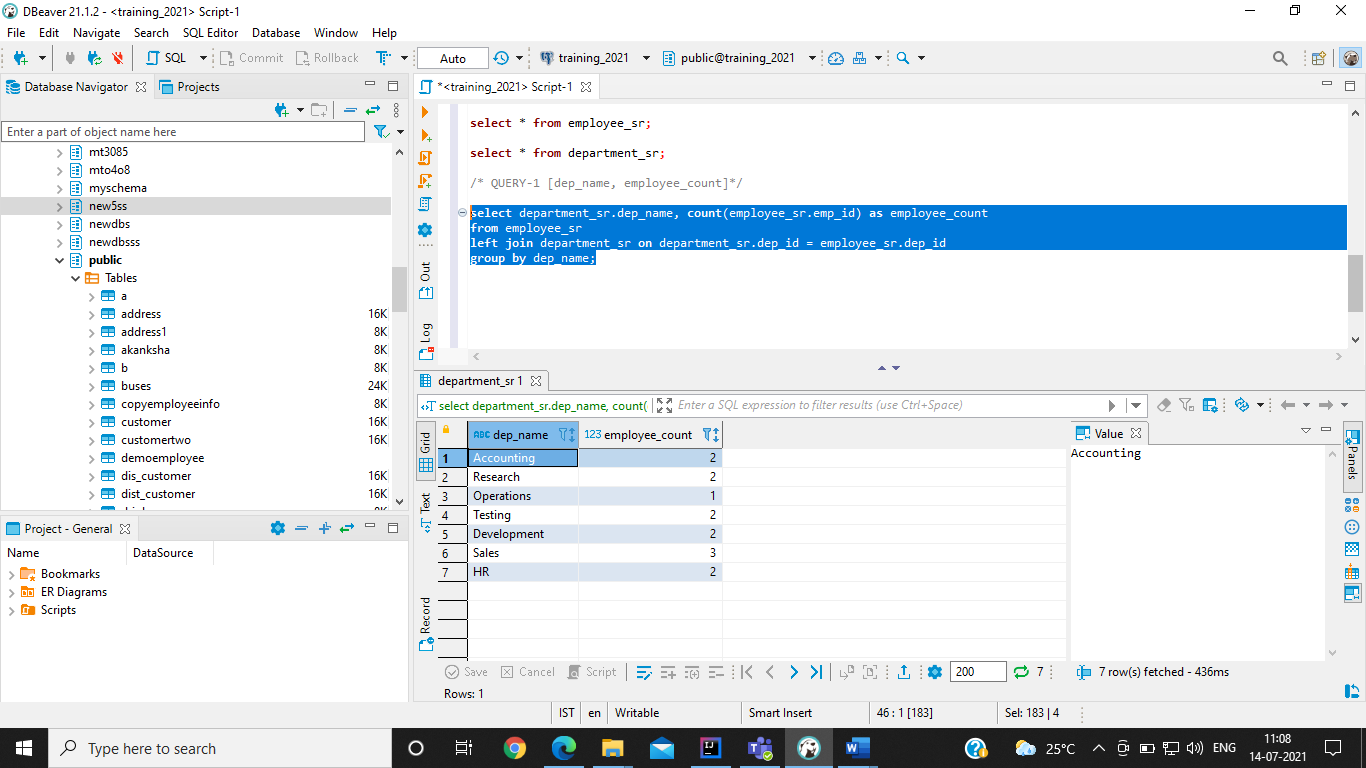
**/\* QUERY-1 [dep\_name, employee\_count]\*/**

**select** department\_sr.dep\_name, **count**(employee\_sr.emp\_id) **as** employee\_count

**from** employee\_sr

**left** **join** department\_sr **on** department\_sr.dep\_id = employee\_sr.dep\_id

**group** **by** dep\_name;



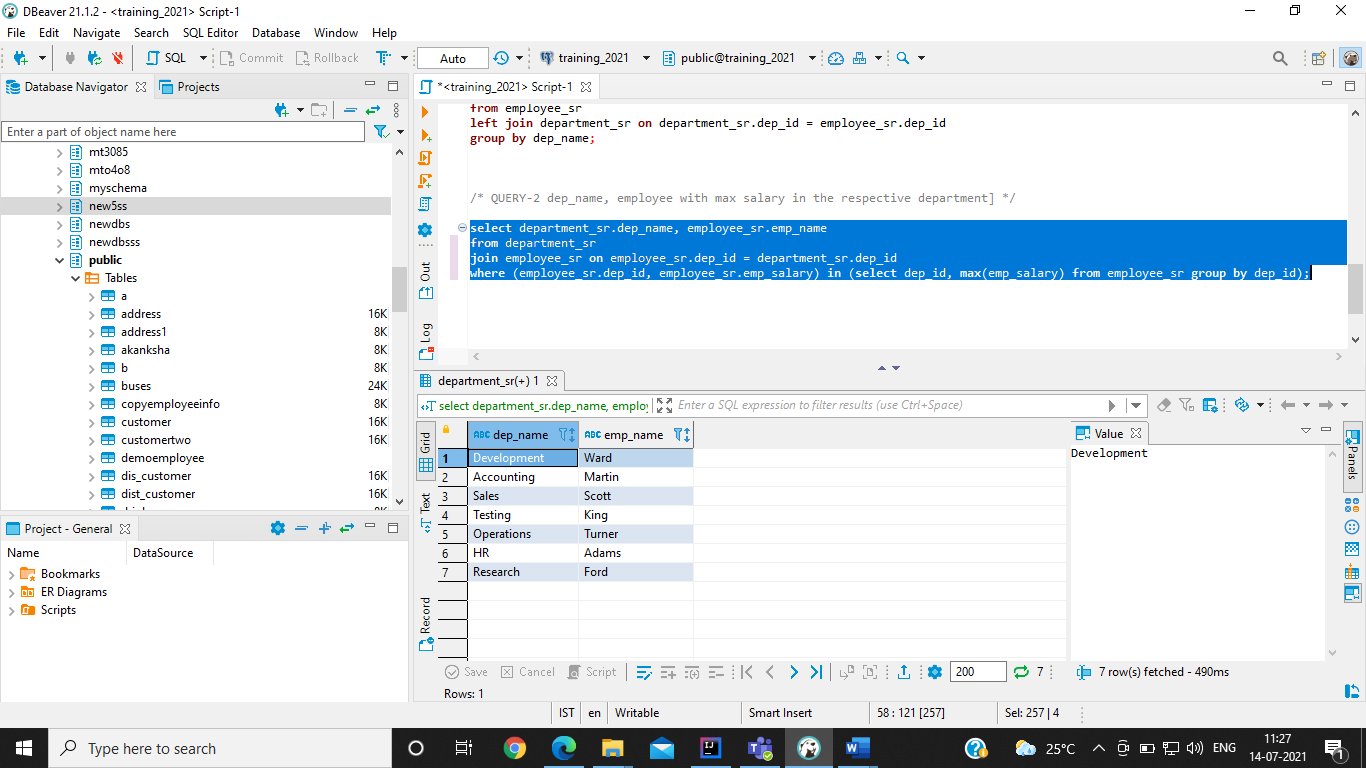
**/\* QUERY-2 [dep\_name, employee with max salary in the respective department] \*/**

**select** department\_sr.dep\_name, employee\_sr.emp\_name

**from** department\_sr

**left** **join** employee\_sr **on** employee\_sr.dep\_id = department\_sr.dep\_id

**where** (employee\_sr.dep\_id, employee\_sr.emp\_salary) **in** (**select** dep\_id, **max**(emp\_salary) **from** employee\_sr **group** **by** dep\_id);



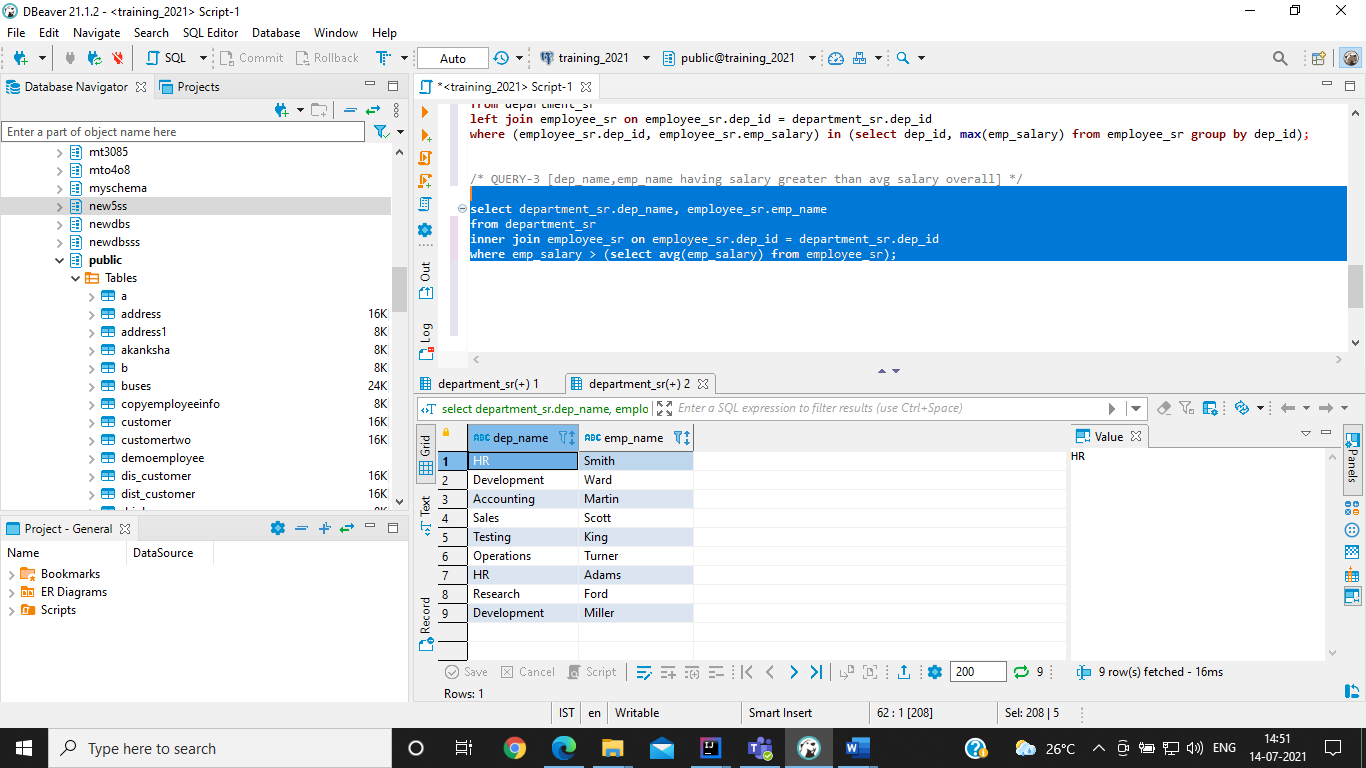
**/\* QUERY-3 [dep\_name,emp\_name having salary greater than avg salary overall] \*/**

**select** department\_sr.dep\_name, employee\_sr.emp\_name

**from** department\_sr

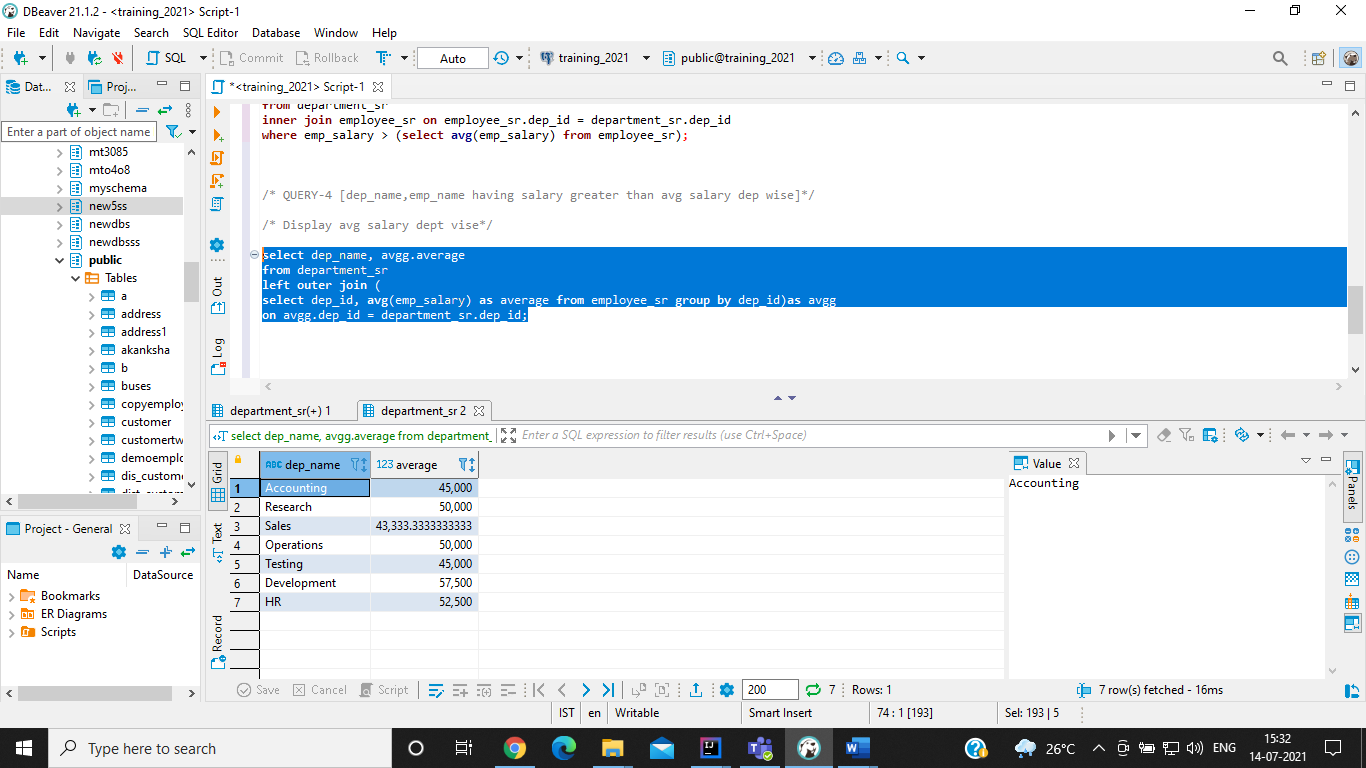
**inner** **join** employee\_sr **on** employee\_sr.dep\_id = department\_sr.dep\_id

**where** emp\_salary > (**select** **avg**(emp\_salary) **from** employee\_sr);



**/\* QUERY-4 [dep\_name,emp\_name having salary greater than avg salary dep wise]\*/**

**/\* Display avg salary dept vise\*/**

****

**/\* Query -4 \*/**

**SELECT** dep\_id, emp\_name, emp\_salary

**FROM** employee\_sr e

**WHERE** emp\_salary > (**select** **avg**(emp\_salary) **from** employee\_sr e2 **where** e2.dep\_id = e.dep\_id)

**order** **by** dep\_id;

