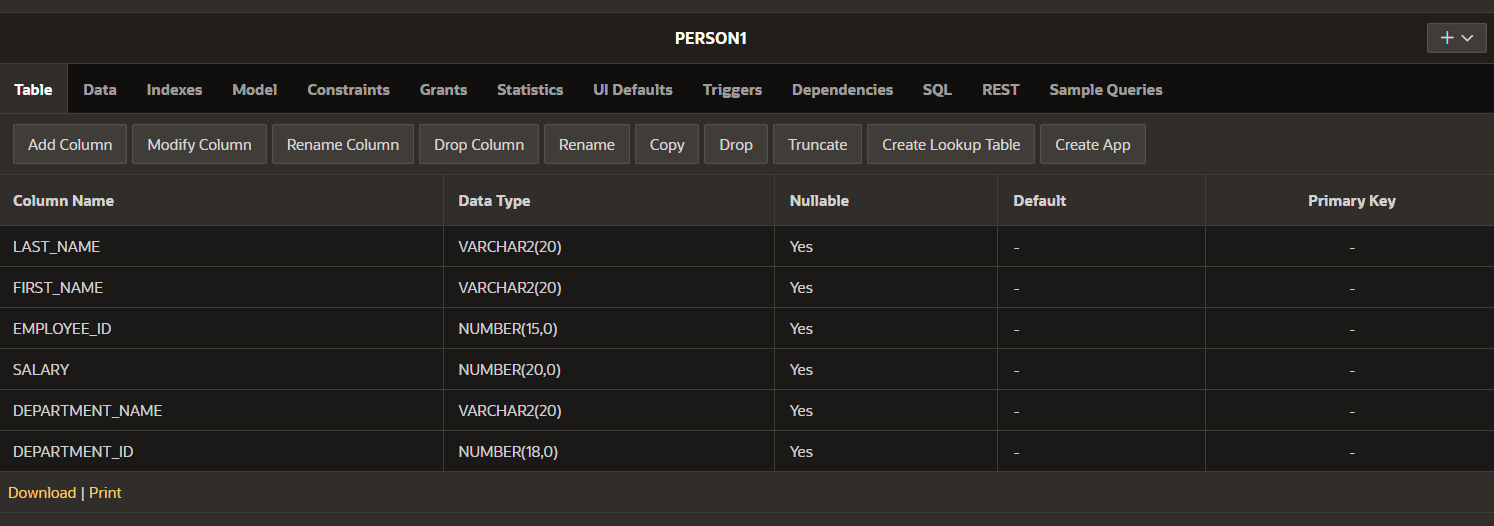
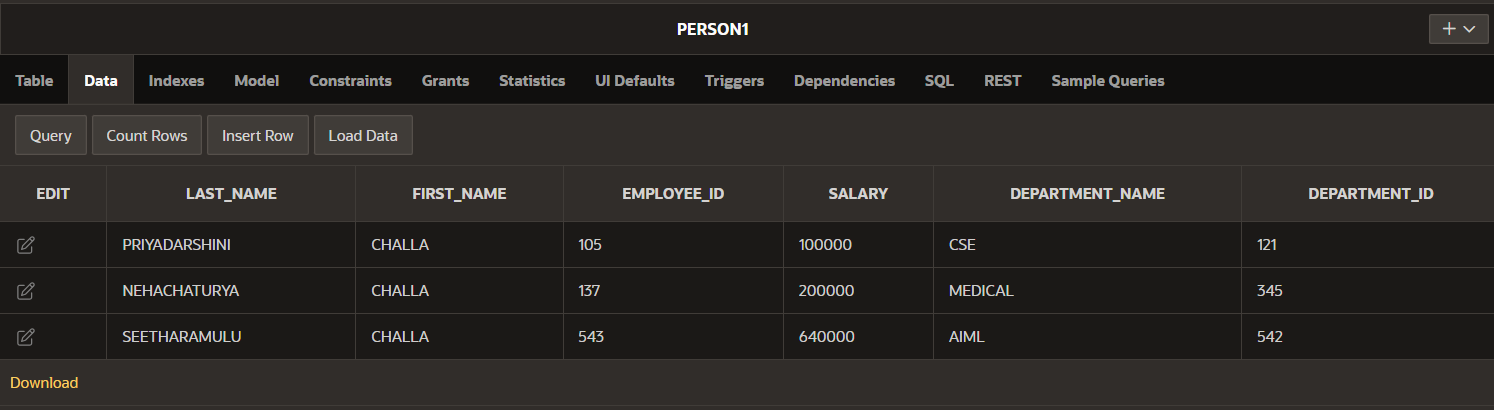
CREATE TABLE PERSON1(LAST\_NAME Varchar(20),FIRST\_NAME Varchar(20),EMPLOYEE\_ID Number(15),SALARY Number(20),DEPARTMENT\_NAME Varchar(20),DEPARTMENT\_ID Number(18)); 

INSERT INTO PERSON1 VALUES('PRIYADARSHINI','CHALLA',105,100000,'CSE',121);

INSERT INTO PERSON1 VALUES('NEHACHATURYA','CHALLA',137,200000,'MEDICAL',345);

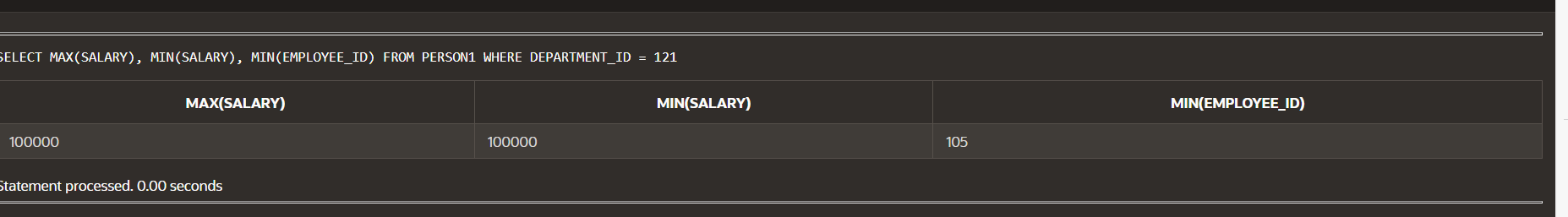
INSERT INTO PERSON1 VALUES('SEETHARAMULU','CHALLA',543,640000,'AIML',542);



SELECT MAX(SALARY), MIN(SALARY), MIN(EMPLOYEE\_ID)

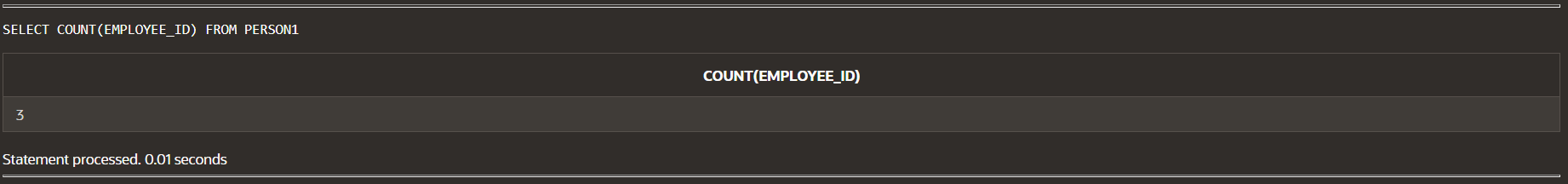
FROM PERSON1

WHERE DEPARTMENT\_ID = 121;



SELECT COUNT(EMPLOYEE\_ID)

FROM PERSON1;

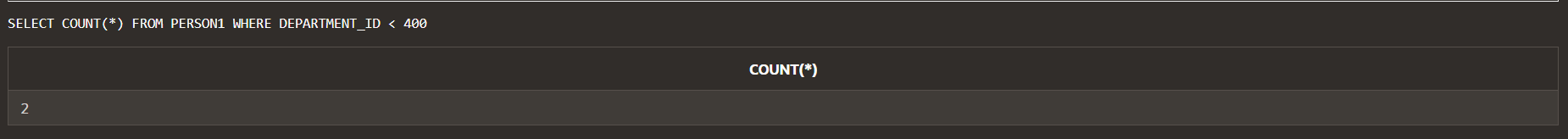


SELECT COUNT(\*)

FROM PERSON1

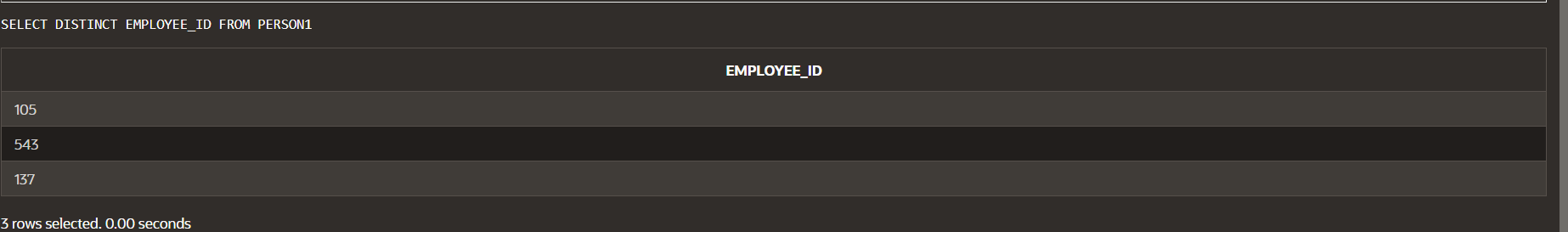
WHERE DEPARTMENT\_ID < 400;

-----🡪DISTINCT:



SELECT DISTINCT EMPLOYEE\_ID

FROM PERSON1;



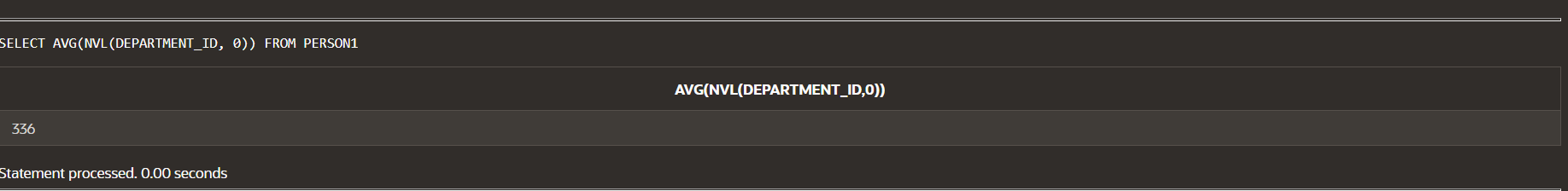
SELECT AVG(DEPARTMENT\_ID)

FROM PERSON1;



SELECT AVG(NVL(DEPARTMENT\_ID, 0))

FROM PERSON1;

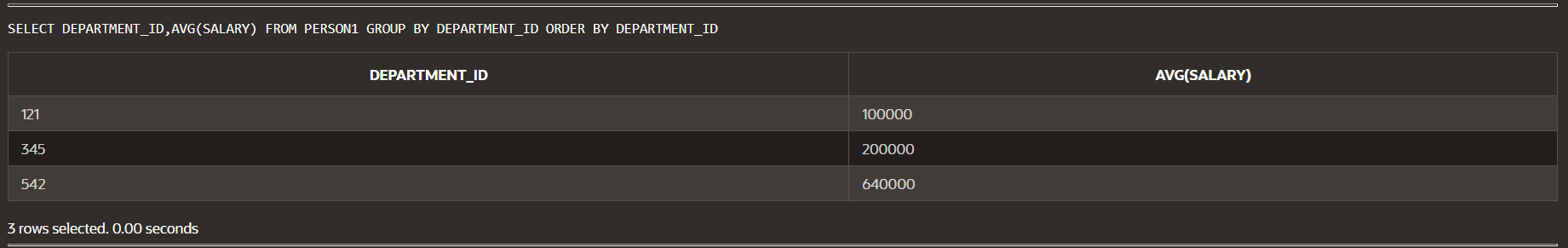


SELECT DEPARTMENT\_ID,AVG(SALARY)

FROM PERSON1

GROUP BY DEPARTMENT\_ID

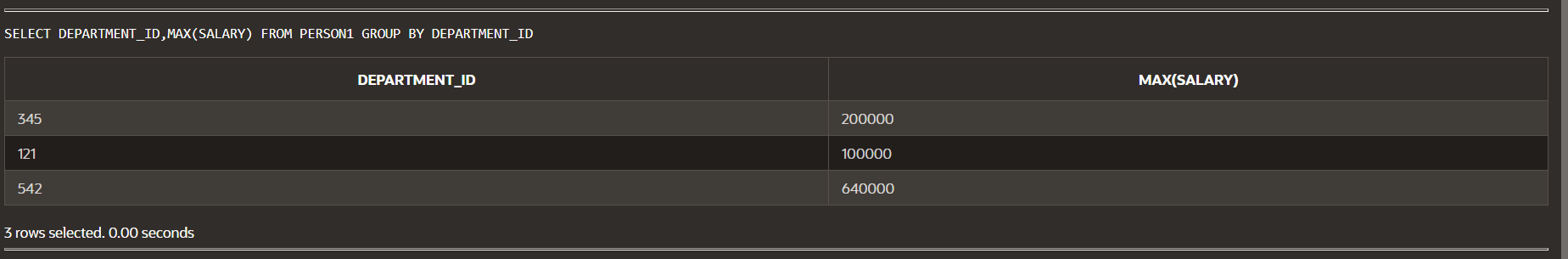
ORDER BY DEPARTMENT\_ID;



SELECT DEPARTMENT\_ID,MAX(SALARY)

FROM PERSON1

GROUP BY DEPARTMENT\_ID;



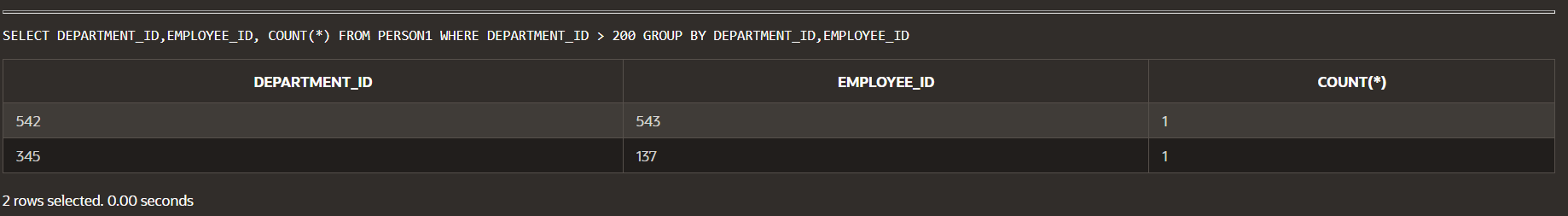
SELECT DEPARTMENT\_ID,EMPLOYEE\_ID,

COUNT(\*)

FROM PERSON1

WHERE DEPARTMENT\_ID > 200

GROUP BY DEPARTMENT\_ID,EMPLOYEE\_ID;



SELECT EMPLOYEE\_ID,MAX(SALARY)

FROM PERSON1

GROUP BY EMPLOYEE\_ID

HAVING COUNT(\*)>400

ORDER BY EMPLOYEE\_ID;

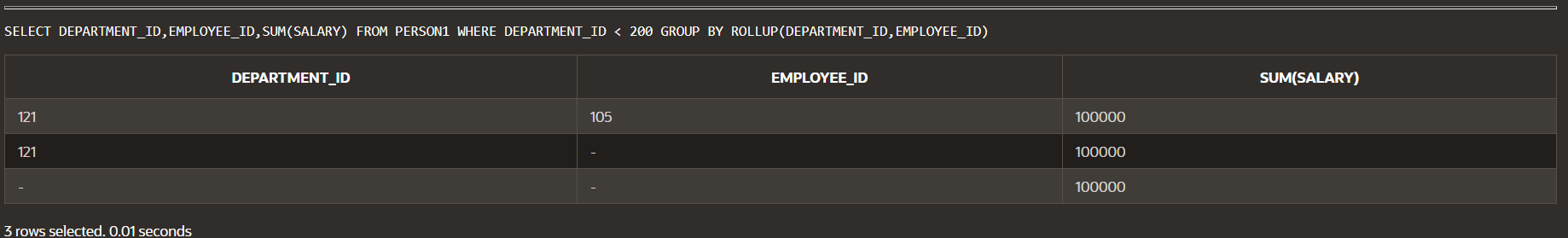
---🡪ROLLUP:

SELECT DEPARTMENT\_ID,EMPLOYEE\_ID,SUM(SALARY)

FROM PERSON1

WHERE DEPARTMENT\_ID < 200

GROUP BY ROLLUP(DEPARTMENT\_ID,EMPLOYEE\_ID);



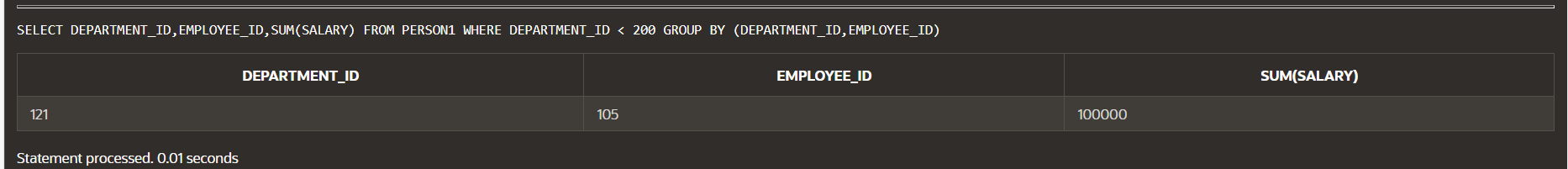
---🡪WITHOUT ROLLUP:

SELECT DEPARTMENT\_ID,EMPLOYEE\_ID,SUM(SALARY)

FROM PERSON1

WHERE DEPARTMENT\_ID < 200

GROUP BY (DEPARTMENT\_ID,EMPLOYEE\_ID);



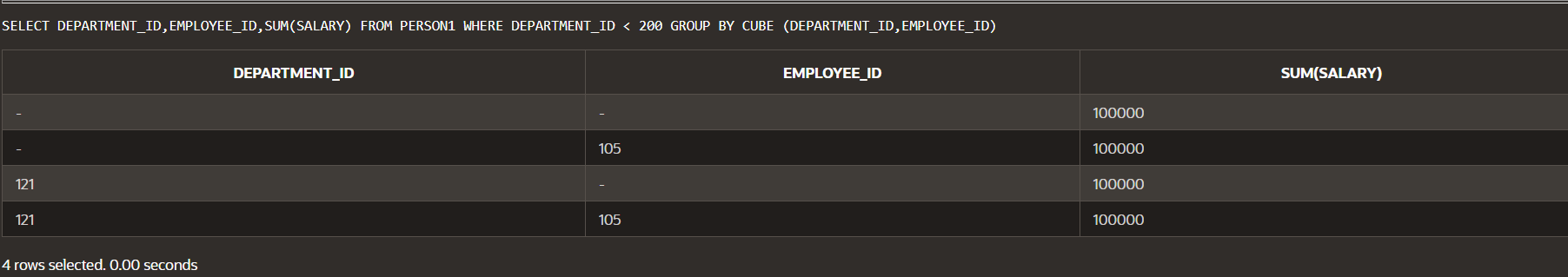
----🡪CUBE:

SELECT DEPARTMENT\_ID,EMPLOYEE\_ID,SUM(SALARY)

FROM PERSON1

WHERE DEPARTMENT\_ID < 200

GROUP BY CUBE (DEPARTMENT\_ID,EMPLOYEE\_ID);



---🡪GROUPING SET:

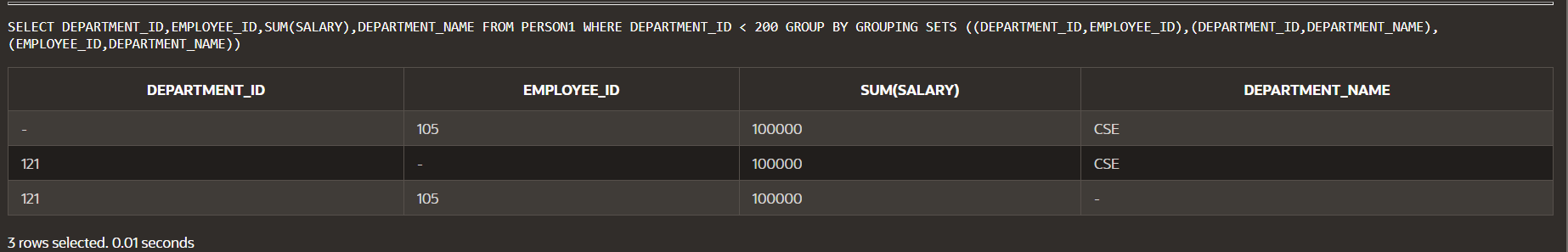
SELECT DEPARTMENT\_ID,EMPLOYEE\_ID,SUM(SALARY),DEPARTMENT\_NAME

FROM PERSON1

WHERE DEPARTMENT\_ID < 200

GROUP BY GROUPING SETS

((DEPARTMENT\_ID,EMPLOYEE\_ID),(DEPARTMENT\_ID,DEPARTMENT\_NAME),(EMPLOYEE\_ID,DEPARTMENT\_NAME));



---🡪UNION:

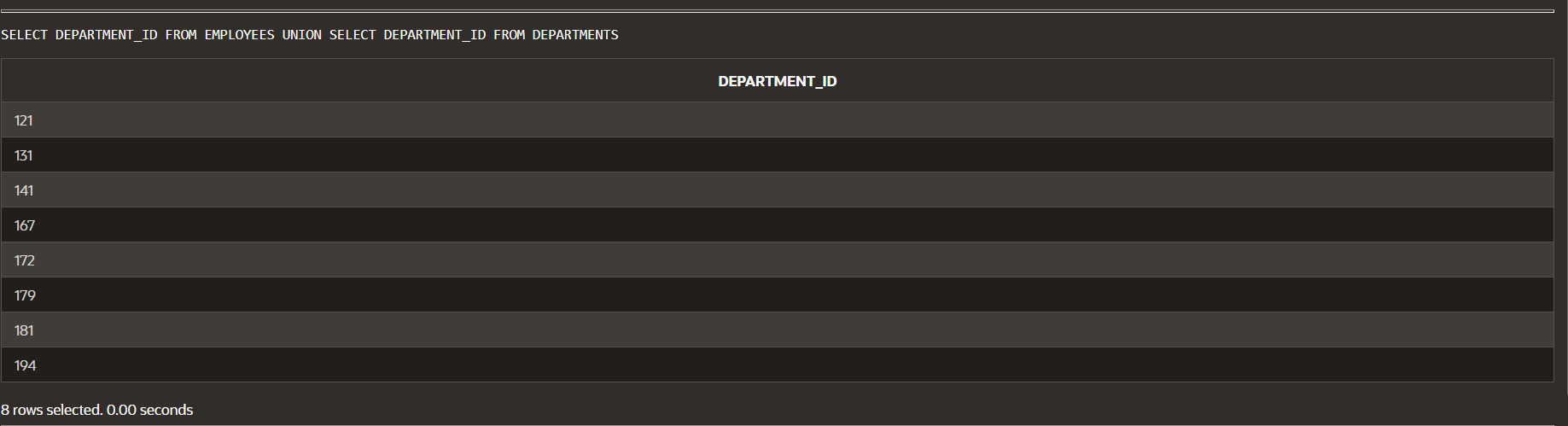
SELECT DEPARTMENT\_ID

FROM EMPLOYEES

UNION

SELECT DEPARTMENT\_ID

FROM DEPARTMENTS;



---🡪UNION ALL:

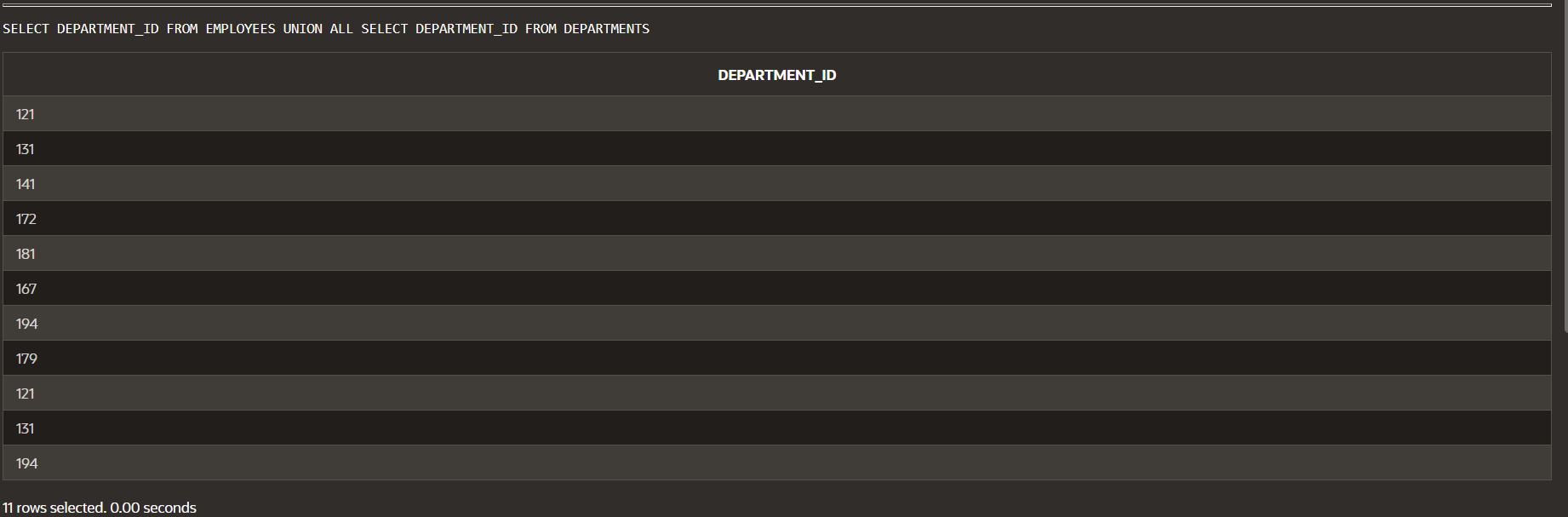
SELECT DEPARTMENT\_ID

FROM EMPLOYEES

UNION ALL

SELECT DEPARTMENT\_ID

FROM DEPARTMENTS;



----🡪INTERSECT:

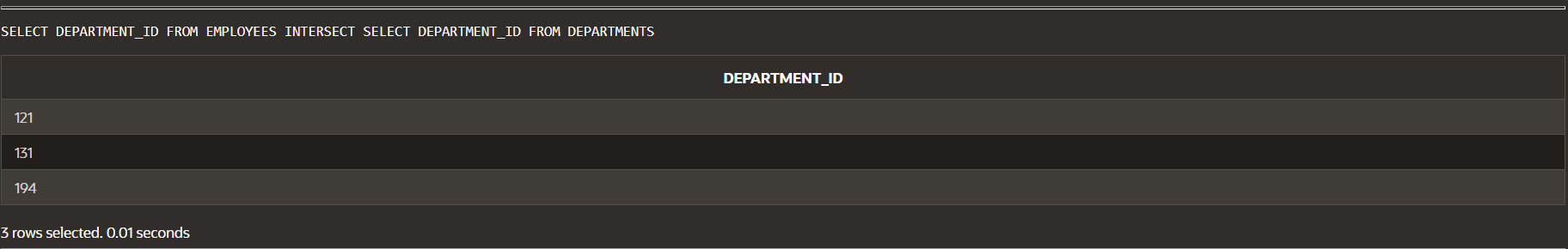
SELECT DEPARTMENT\_ID

FROM EMPLOYEES

INTERSECT

SELECT DEPARTMENT\_ID

FROM DEPARTMENTS;



----🡪MINUS:

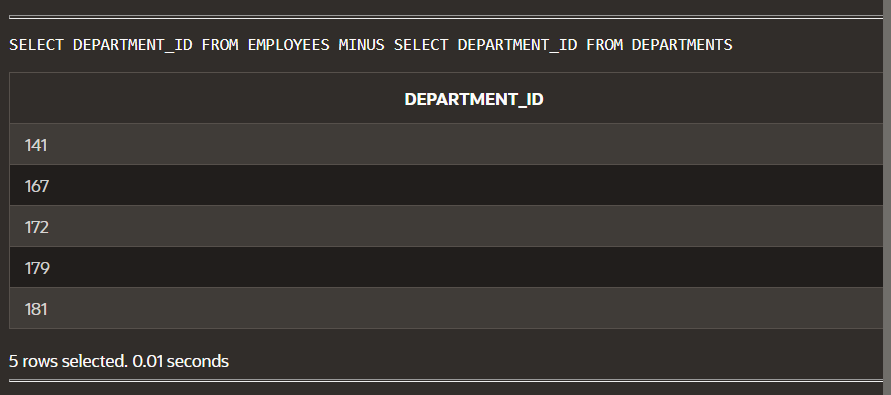
SELECT DEPARTMENT\_ID

FROM EMPLOYEES

MINUS

SELECT DEPARTMENT\_ID

FROM DEPARTMENTS;



----🡪UNION USING ORDER BY:

SELECT DEPARTMENT\_ID

FROM EMPLOYEES

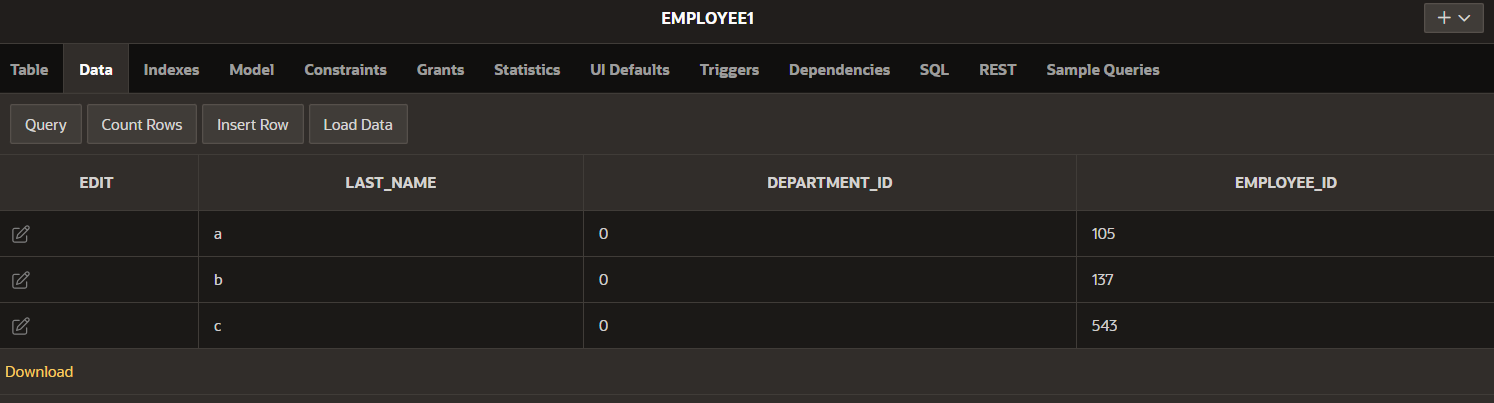
UNION

SELECT DEPARTMENT\_ID

FROM DEPARTMENTS

ORDER BY DEPARTMENT\_ID;



----🡪MERGE: 

MERGE INTO PERSON1 p USING EMPLOYEE1 e

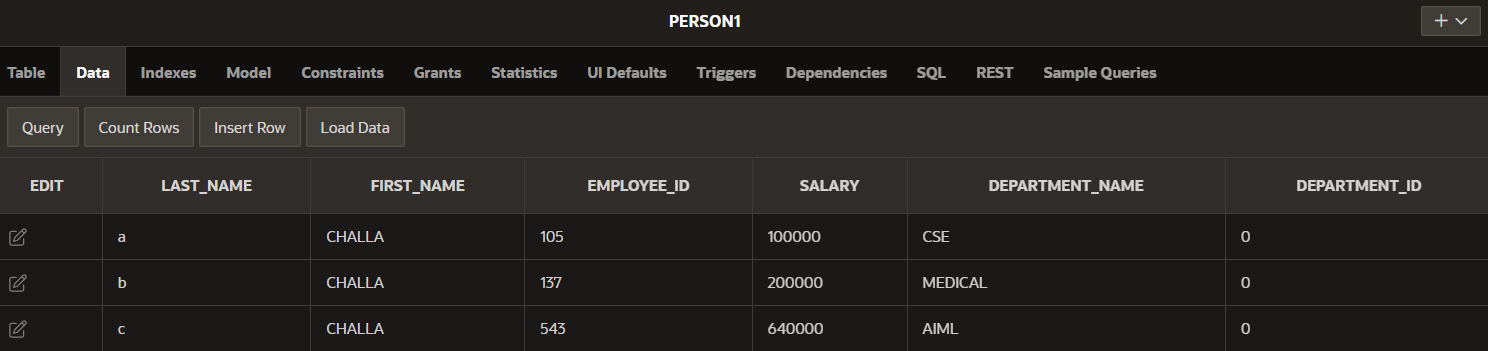
ON (p.EMPLOYEE\_ID = e.EMPLOYEE\_ID)

WHEN MATCHED THEN UPDATE

SET

p.LAST\_NAME = e.LAST\_NAME,

p.DEPARTMENT\_ID = e.DEPARTMENT\_ID;



CREATE SEQUENCE runner\_id\_seq

INCREMENT BY 1

START WITH 1

MAXVALUE 50000

NOCACHE

NOCYCLE;

SELECT sequence\_name, min\_value, max\_value, increment\_by, last\_number

FROM user\_sequences;

