**GROUO FUNCTION**

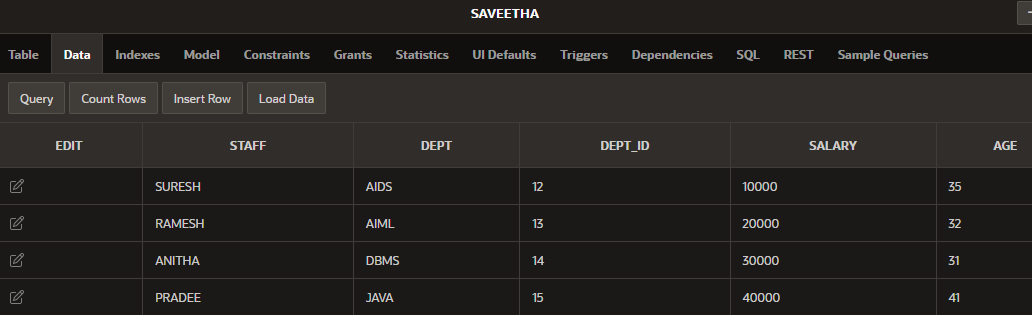
* **CREATE THE TABLE:**
* CREATE TABLE SAVEETHA(STAFF VARCHAR(15),DEPT VARCHAR(20), DEPT\_ID NUMBER(15), SALARY NUMBER(10),AGE NUMBER(5));

INSERT INTO SAVEETHA VALUES('SURESH','AIDS',12,10000,35);

INSERT INTO SAVEETHA VALUES('RAMESH','AIML',13,20000,32);

INSERT INTO SAVEETHA VALUES('ANITHA','DBMS',14,30000,31);

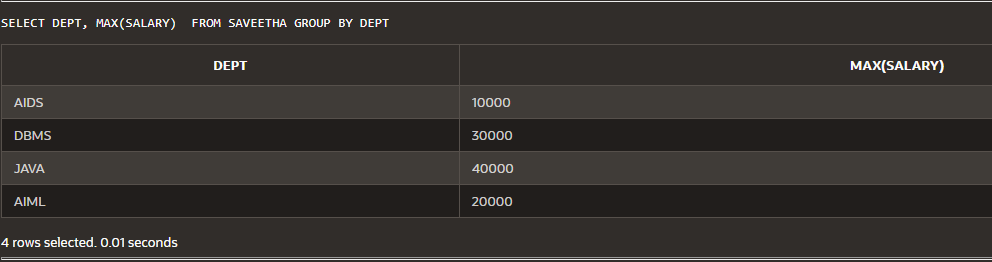
INSERT INTO SAVEETHA VALUES('PRADEE','JAVA',15,40000,41);



* **“MAX” GROUPING FUNCTION:**
* SELECT DEPT, MAX(SALARY)

FROM SAVEETHA

GROUP BY DEPT;



* **“MAX” GROUPING FUNCTION USING WHARE CONDITION:**
* SELECT DEPT, MAX(SALARY)

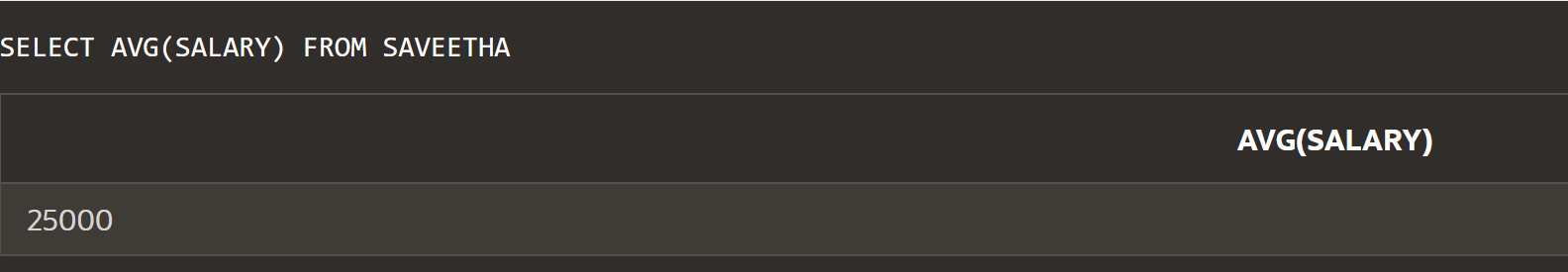
FROM SAVEETHA

WHERE SALARY>30000 GROUP BY DEPT;



* **AVG SALARY:**
* SELECT AVG(SALARY)

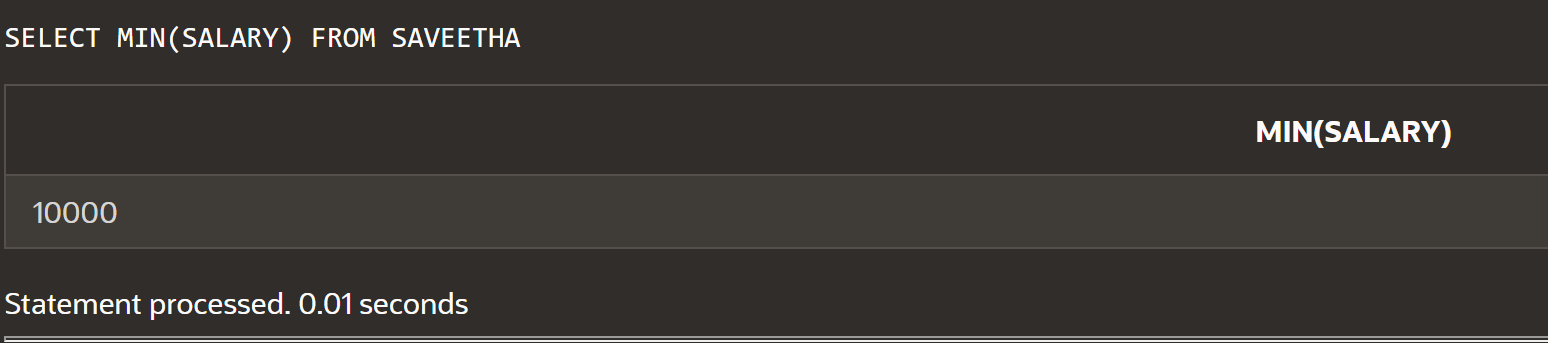
FROM SAVEETHA;



* **MIN SALARY:**

SELECT MIN(SALARY)

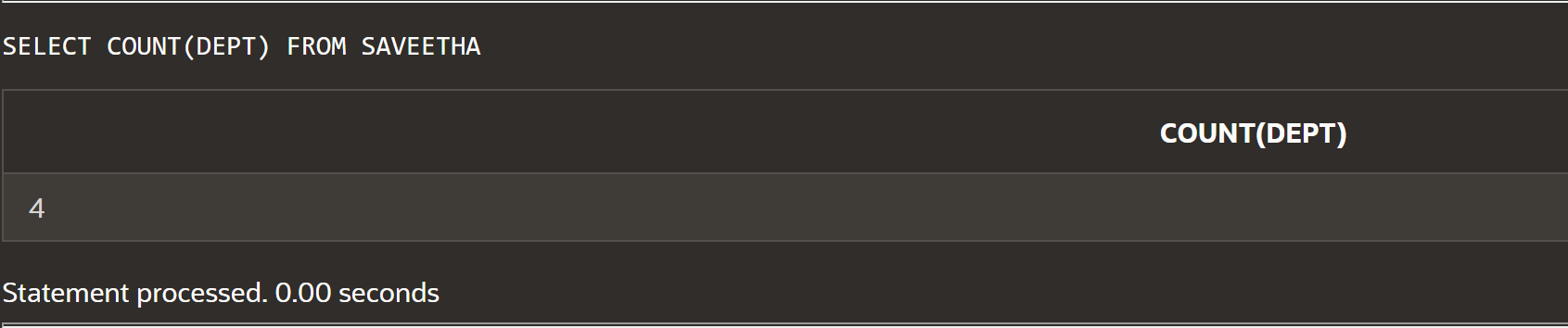
FROM SAVEETHA;



* **COUNT THE DEPARTMENT:**

SELECT COUNT(DEPT)

FROM SAVEETHA;

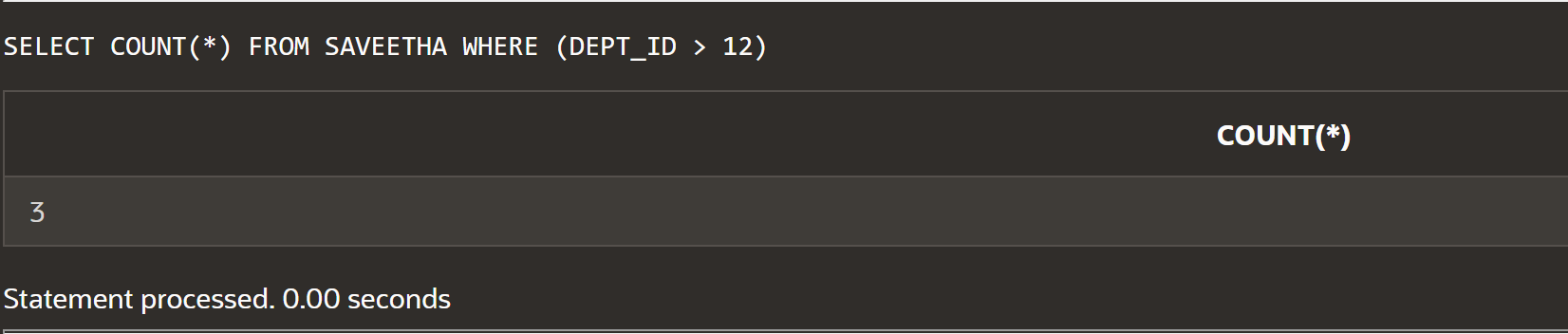


* **COUNT(\*) :**

SELECT COUNT(\*)

FROM SAVEETHA

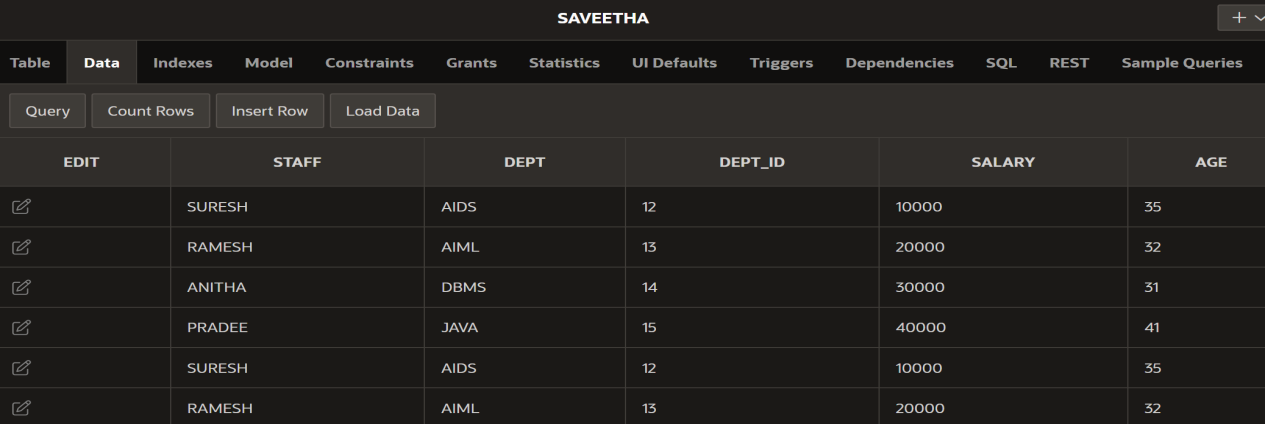
WHERE (DEPT\_ID > 12);

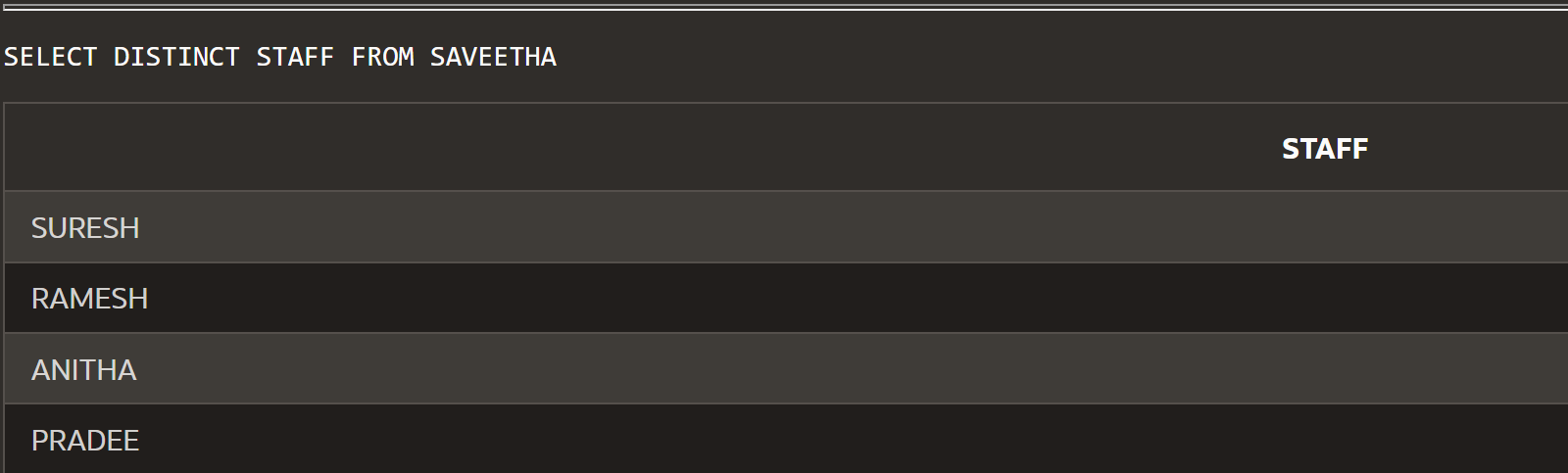


* **REMOVE THE DUPLICATE DATA USING “DISTINCT”:**

SELECT DISTINCT STAFF

FROM SAVEETHA;

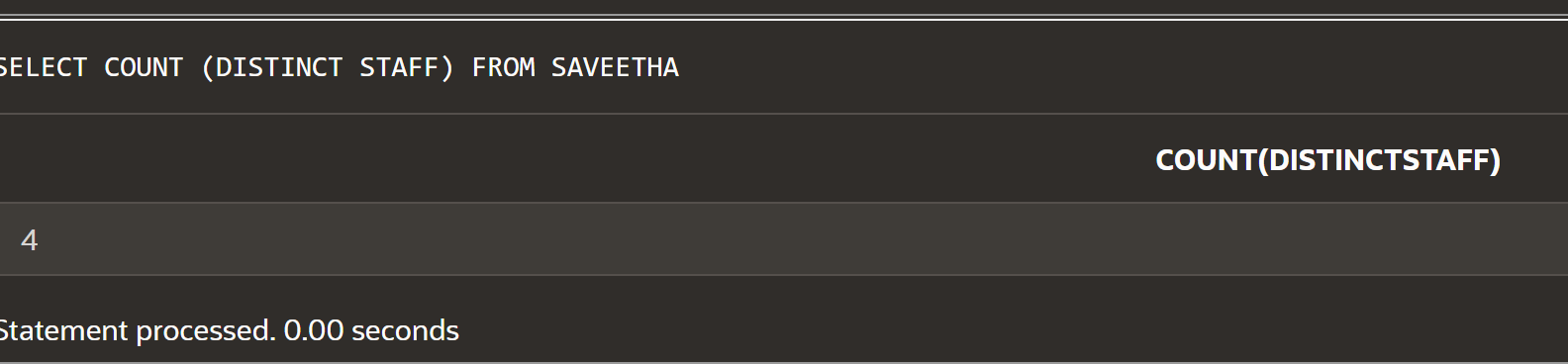




* **USING “COUNT AND DISTINCT”:**

SELECT COUNT (DISTINCT STAFF)

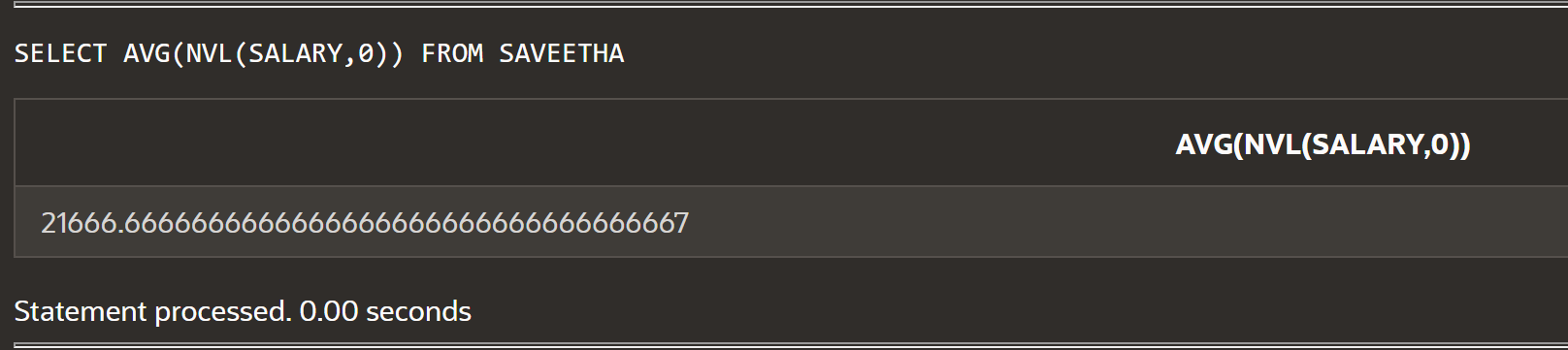
FROM SAVEETHA;



* **USING “NVL AND AVERAGE”:**

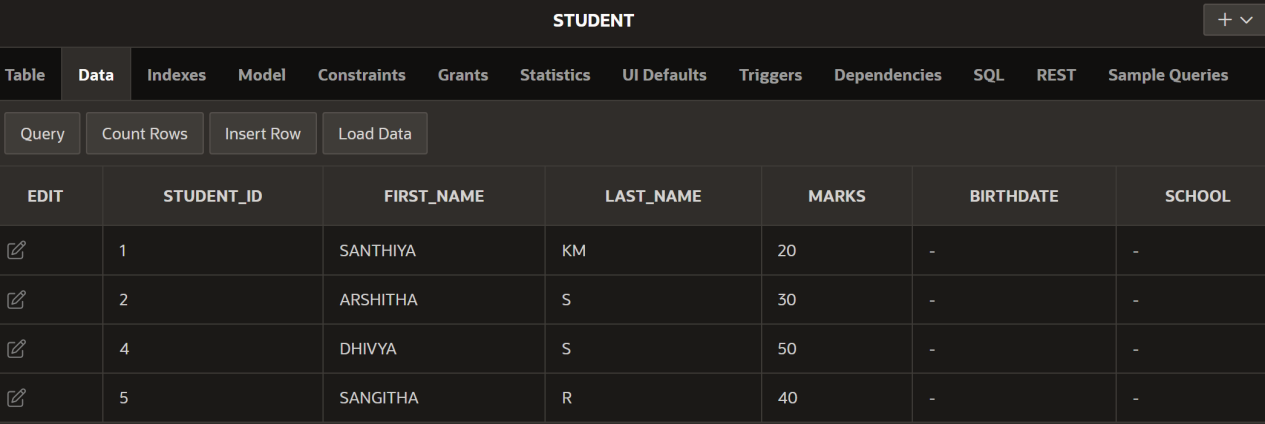
SELECT AVG(NVL(SALARY,0))

FROM SAVEETHA;

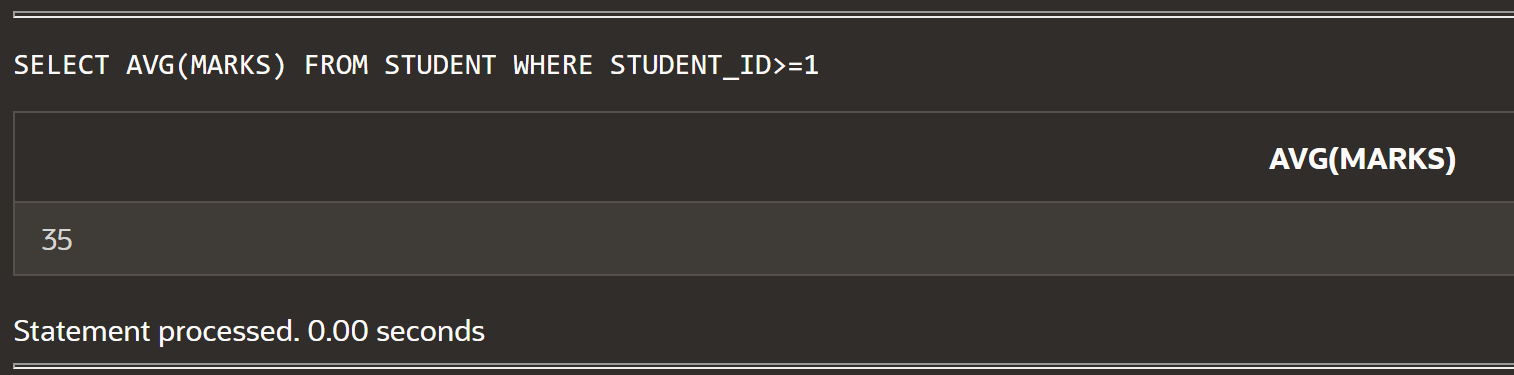


* **TO FIND THE AVERAGE MARKS USING WHERE CONDITION:**

SELECT AVG(MARKS) FROM STUDENT WHERE STUDENT\_ID>=1;



**OUTPUT:**



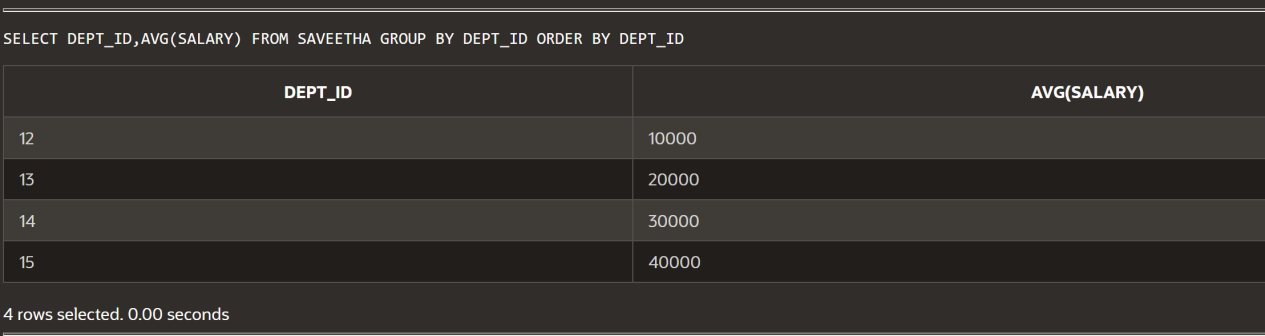
* **AVERAGE USING GROUP BY:**

SELECT DEPT\_ID,AVG(SALARY)

FROM SAVEETHA

GROUP BY DEPT\_ID

ORDER BY DEPT\_ID;

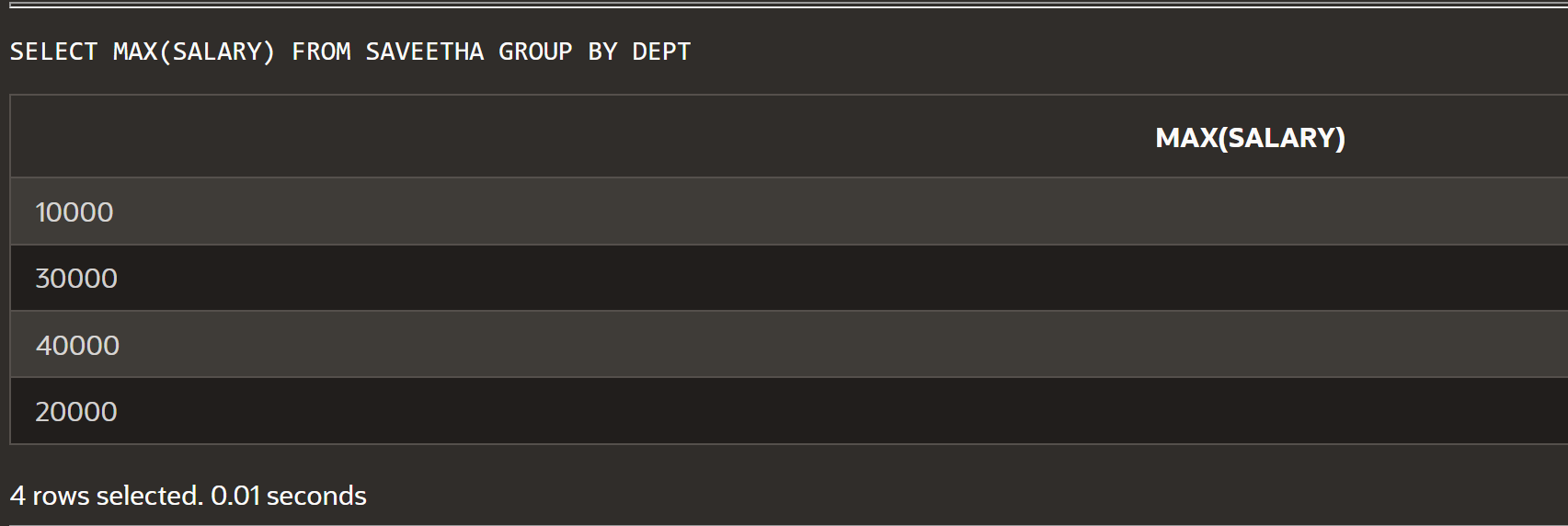


* **TO FIND THE MAXIMUM SALARY USING GROUP BY:**

SELECT MAX(SALARY)

FROM SAVEETHA

GROUP BY DEPT;

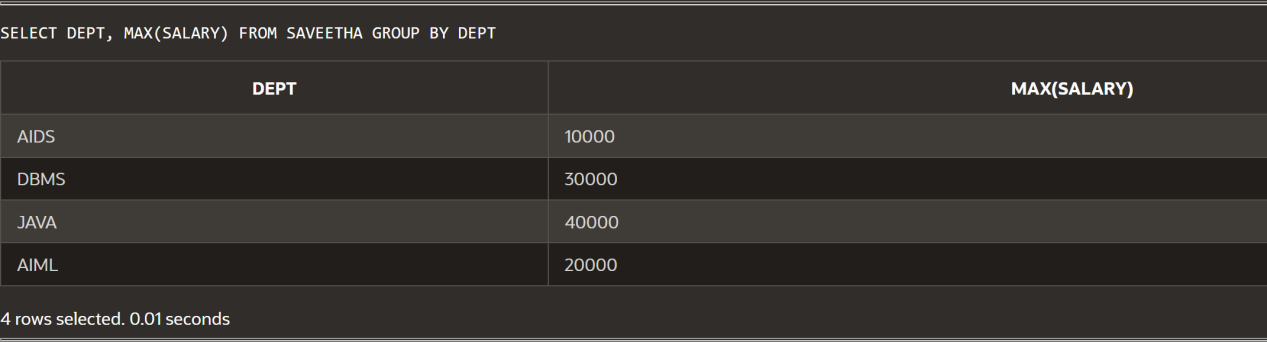


* **TO FIND THE MAXIMUM SALARY WITH “GROUP BY”:**

SELECT DEPT, MAX(SALARY)

FROM SAVEETHA

GROUP BY DEPT;



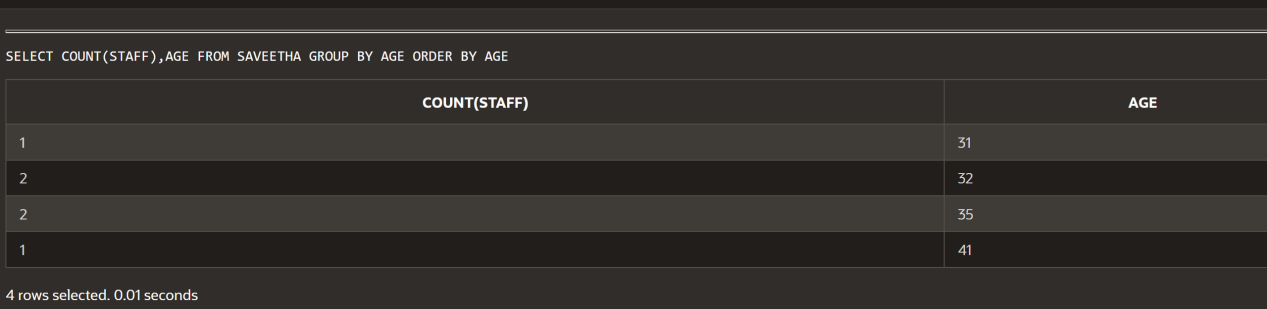
* **COUNT AND COMPARE THE FIELD:**

SELECT COUNT(STAFF),AGE

FROM SAVEETHA

GROUP BY AGE

ORDER BY AGE;



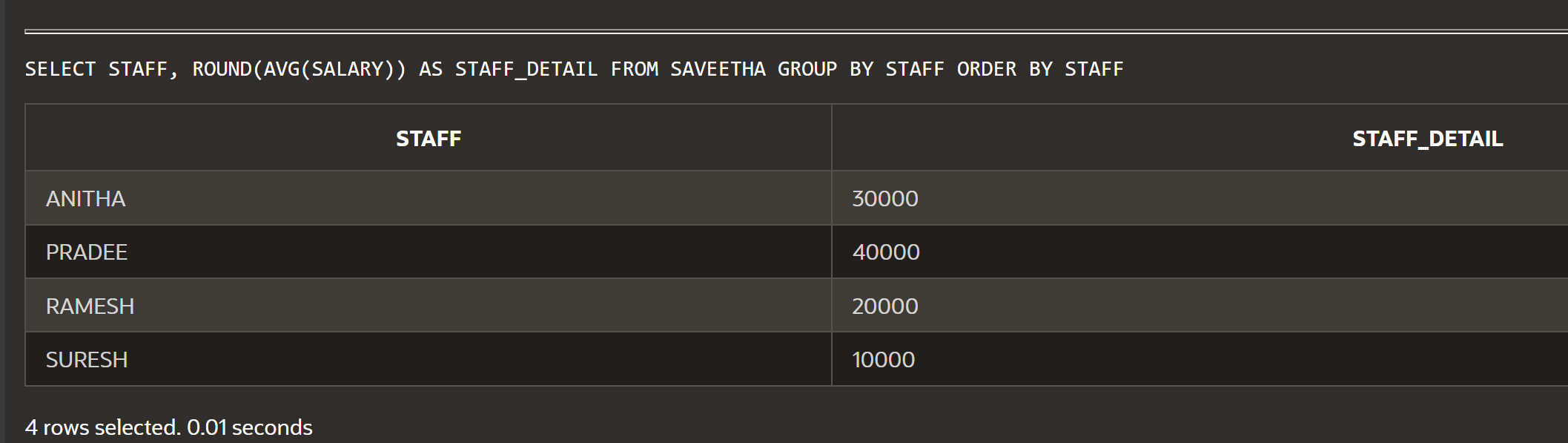
* **GROUP BY:**

SELECT STAFF, ROUND(AVG(SALARY)) AS STAFF\_DETAIL

FROM SAVEETHA

GROUP BY STAFF

ORDER BY STAFF;



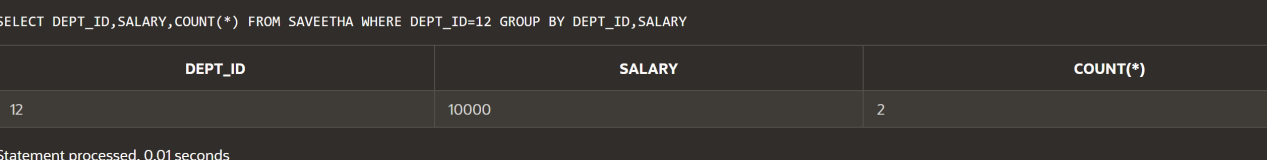
* **GROUP WITHIN A GROUP:**

SELECT DEPT\_ID,SALARY,COUNT(\*)

FROM SAVEETHA

WHERE DEPT\_ID=12

GROUP BY DEPT\_ID,SALARY;



* **NESTING GROUP FUNCTION:**

SELECT MAX(AVG(SALARY))

FROM SAVEETHA

GROUP BY DEPT\_ID;



* **GROU FUNCTION USING HAVING:**

SELECT DEPT\_ID,MAX(SALARY)

FROM SAVEETHA

GROUP BY DEPT\_ID

HAVING COUNT(\*)>1

ORDER BY DEPT\_ID;

