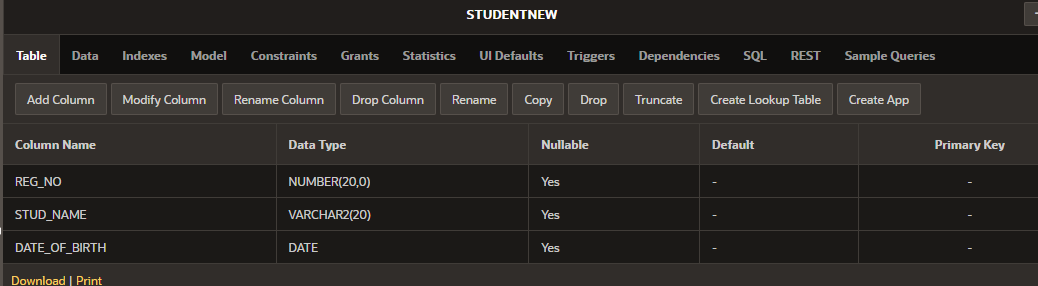
**DBMS**

**CREATE QUERY:**

* **CREATING TABLE:**

CREATE TABLE STUDENTNEW(Reg\_No number(20), Stud\_Name VARCHAR(20),DATE\_OF\_BIRTH DATE);

**TABLE CREATED:**

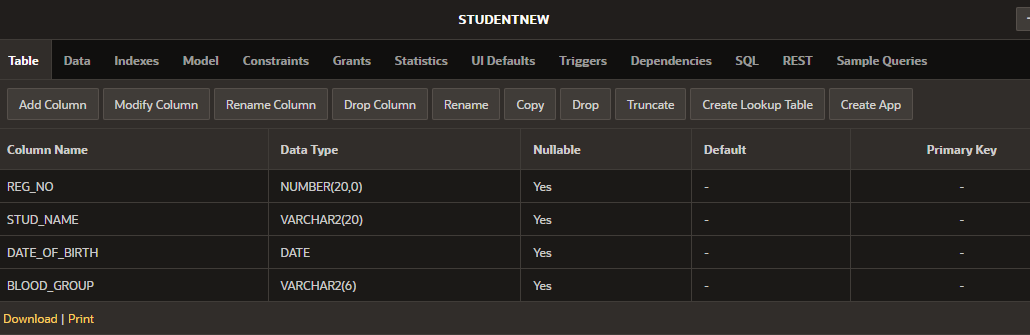


* **ADD THE NEW FIELD TO THE TABLE:**

ALTER TABLE STUDENTNEW

ADD BLOOD\_GROUP VARCHAR(6);

**OUTPUT:**

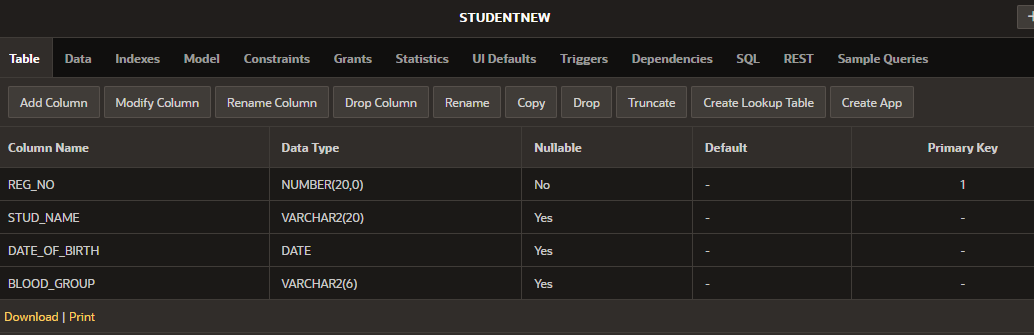


* **TO MAKE THE PRIMARY KEY:**

ALTER TABLE STUDENTNEW

ADD PRIMARY KEY (REG\_NO);

**OUTPUT:**

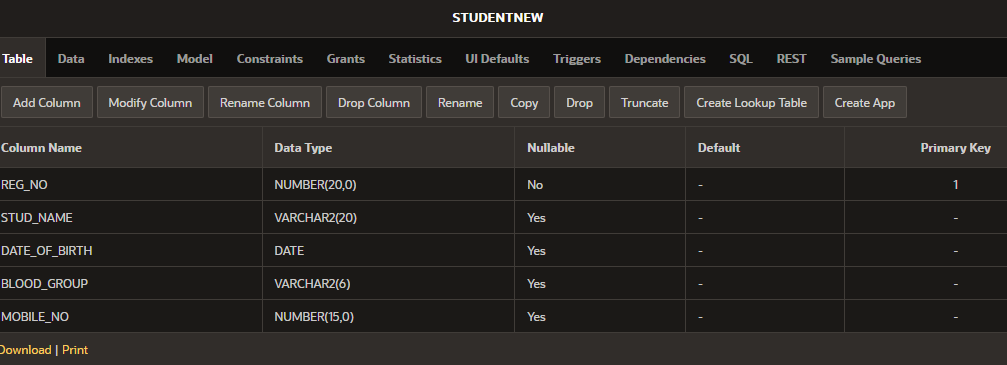


* **DELETE THE COLUMN:**

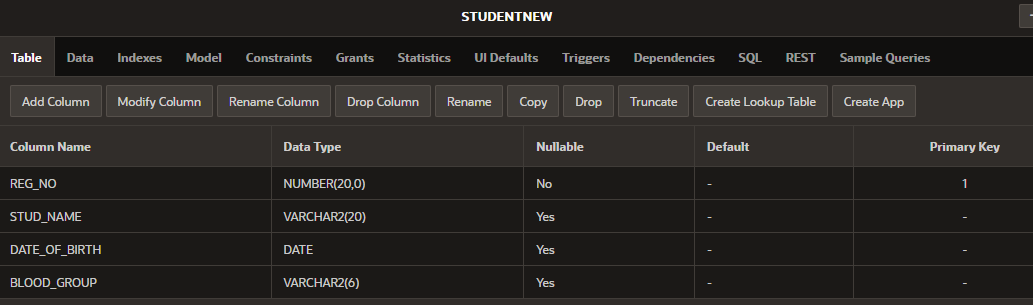
ALTER TABLE STUDENTNEW

DROP COLUMN MOBILE\_NO;

**BEFORE DELETING THE COLUMN:**



**AFTER DELETING THE COLUMN:**

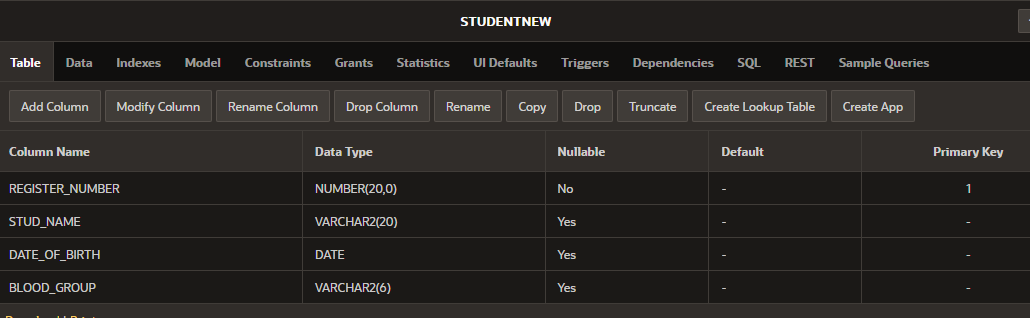


* **RENAMEING COLUMN:**

ALTER TABLE STUDENTNEW

RENAME COLUMN REG\_NO TO REGISTER\_NUMBER;

**OUTPUT:**

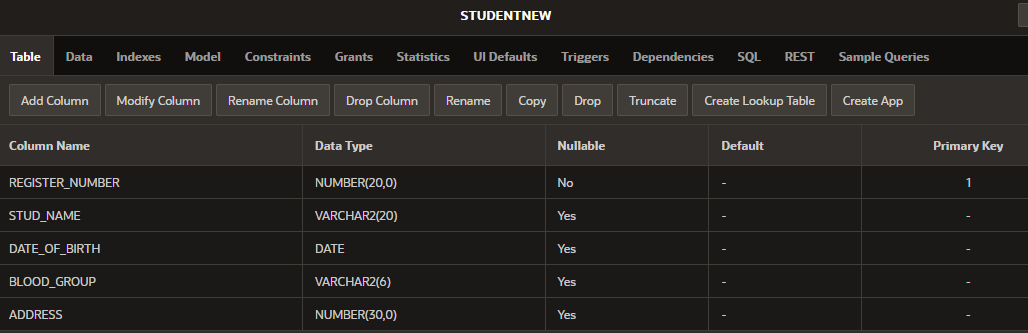


* **MODIFY THE COLUMN DATATYPE:**
* **USING MODIFY:**

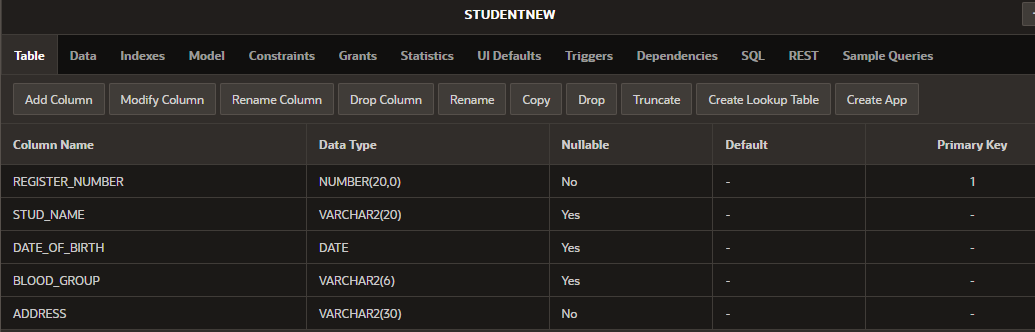
ALTER TABLE STUDENTNEW

MODIFY ADDRESS VARCHAR(30) NOT NULL;

**BEFORE CHANGING:**



**AFTER CHANGE:**



* **INSERTING THE VALUES:**

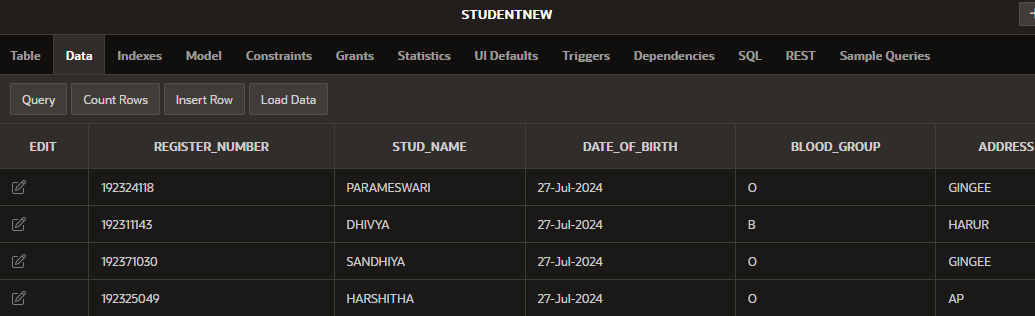
INSERT INTO STUDENTNEW VALUES(192324118,'PARAMESWARI',SYSDATE,'O','GINGEE');

INSERT INTO STUDENTNEW VALUES(192311143,'DHIVYA',SYSDATE,'B','HARUR');

INSERT INTO STUDENTNEW VALUES(192371030,'SANDHIYA',SYSDATE,'O ','GINGEE');

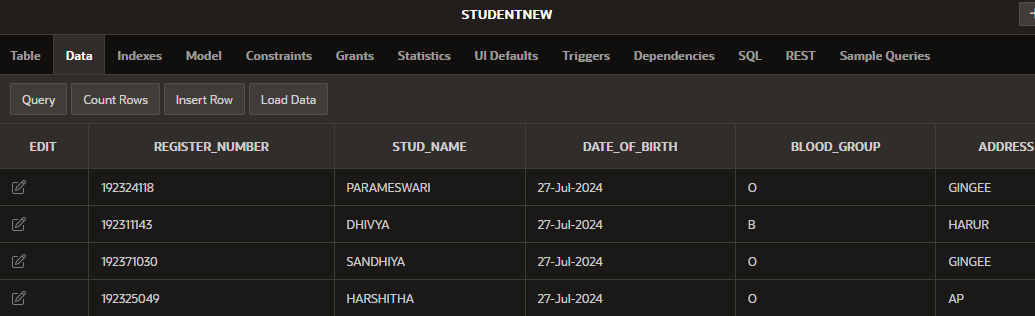
INSERT INTO STUDENTNEW VALUES(192325049,'HARSHITHA',SYSDATE,'O','AP');

**OUTPUT:**

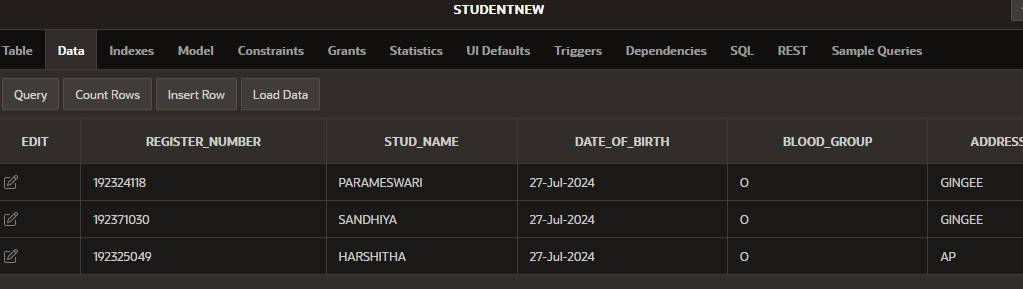


* **DELETE THE COLUMN USING CONDITION:**
* DELETE FROM STUDENTNEW WHERE BLOOD\_GROUP = 'B';

**BEFORE DELETING:**

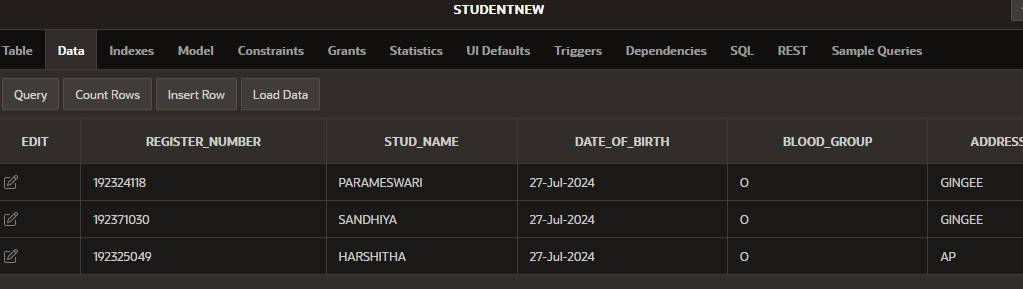


**AFTER DELETING:**

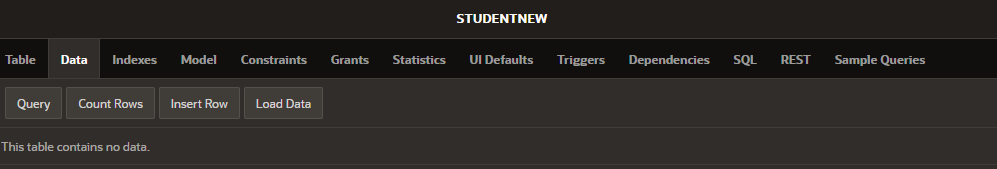


* **DELETING THE DATAS FROM THE TABLE:**
* DELETE FROM STUDENTNEW;

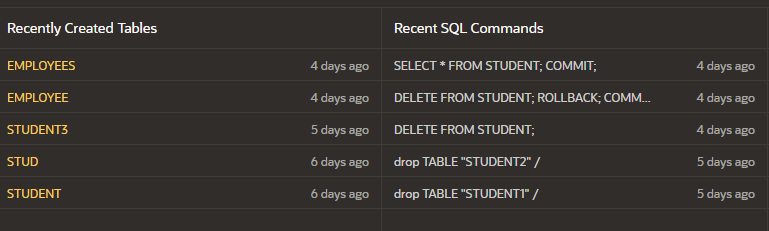
**BEFORE THE DELETING:**



**AFTER DELETING:**

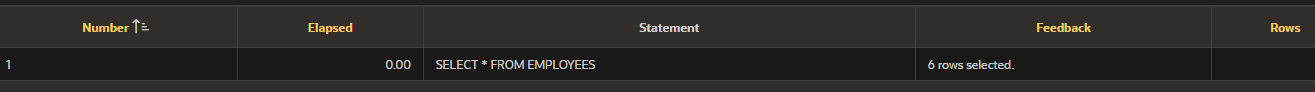


* **DELETING THE WHOLE TABLE:**
* DROP TABLE STUDENTNEW;



* **SELECT COMMENTS:**
* SELECT THE WHOLE TABLE:

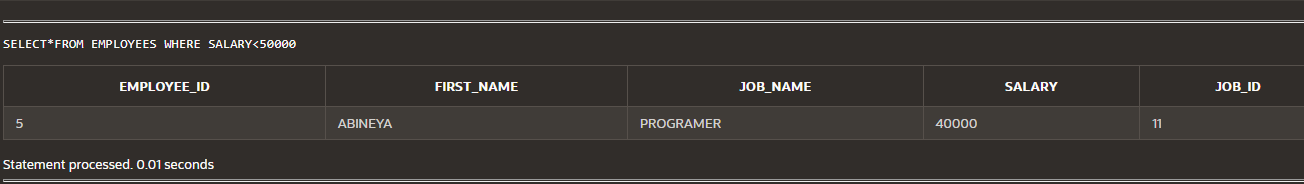
**SELECT \* FROM EMPLOYEES;**

**OUTPUT:** 

* USING CONDITION:

SELECT\*FROM EMPLOYEES

WHERE SALARY<50000;

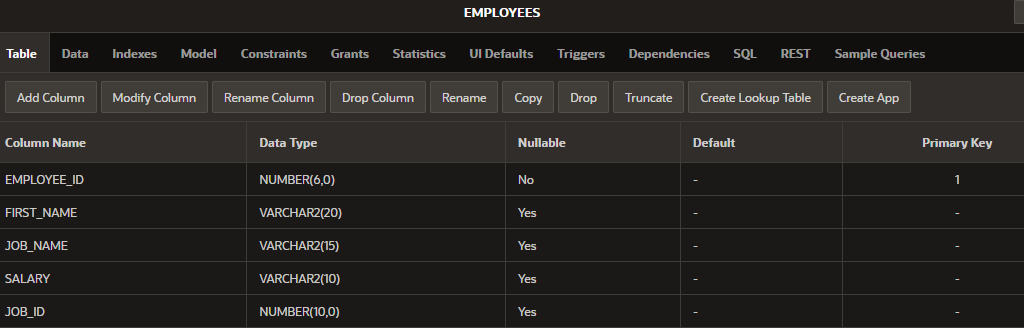


* **DELETE THE PRIMARY KEY:**

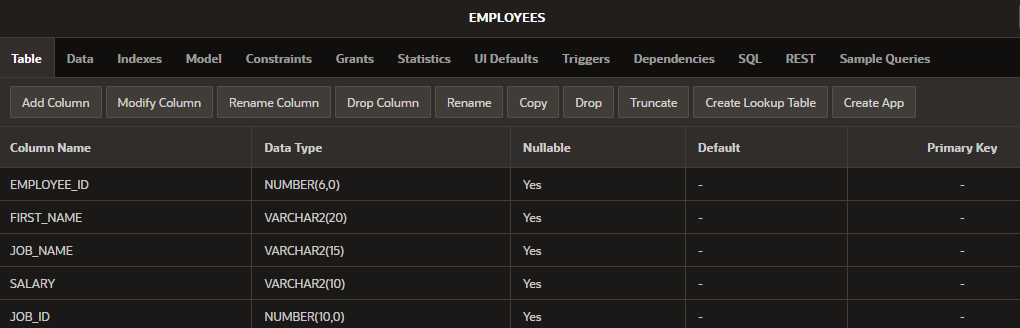
ALTER TABLE EMPLOYEES

DROP PRIMARY KEY;

* **BEFORE DELETING THE PRIMARY KEY:**

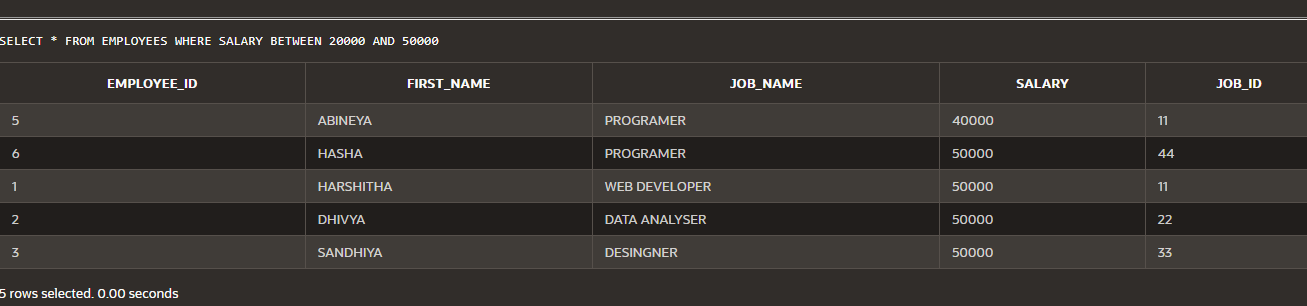


* **AFTER DELETING THE PRIMARY KEY:**



* **SELECT THE TABLE USING “BETWEEN…AND”:**
* SELECT \* FROM EMPLOYEES

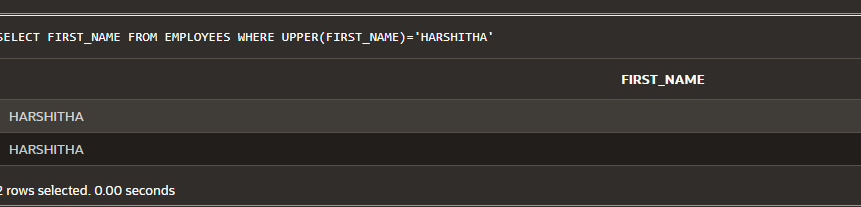
WHERE SALARY BETWEEN 20000 AND 50000;



* **SELECT THE UPPERCASE:**
* SELECT FIRST\_NAME

FROM EMPLOYEES

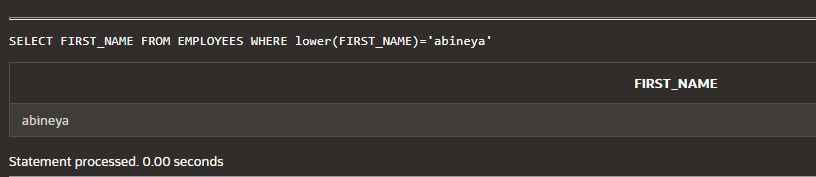
WHERE UPPER(FIRST\_NAME)='HARSHITHA';



* **SELECT THE LOWERCASE:**
* SELECT FIRST\_NAME

FROM EMPLOYEES

WHERE lower(FIRST\_NAME)='abineya';



* **SELECT THE TABALE USING “AS..”:**
* SELECT SALARY AS EMLOYEES\_SALARY FROM EMPLOYEES;



* **SELECT THE TABLE AND ALSO ARRANGING USING “ORDER….BY”:**
* SELECT \* FROM EMPLOYEES ORDER BY EMPLOYEE\_ID;



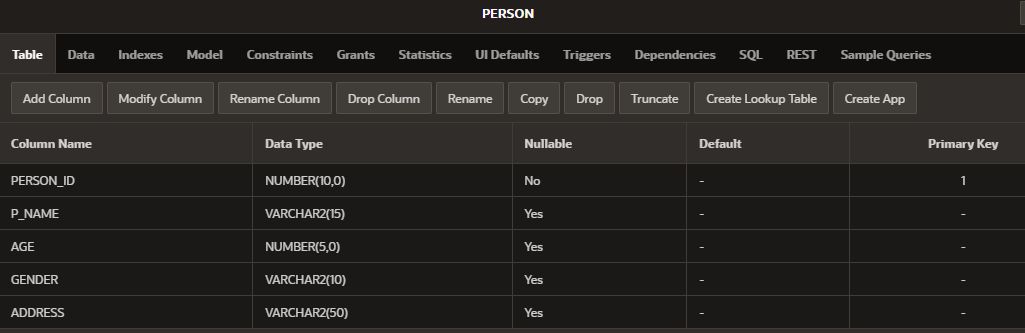
* ARRANGING THE TABLE IN Descending order:
* SELECT \* FROM EMPLOYEES ORDER BY EMPLOYEE\_ID DSEC;

**FORIGN KEY:**

**CREATE THE TABLE 1:**

* CREATE TABLE PERSON(PERSONAL\_ID NUMBER(15) PRIMARY KEY, P\_NAME VARCHAR(15), AGE INT(5),GENDER VARCHAR(10),ADDRESS VARCHAR(50));
* ALTER TABLE PERSON

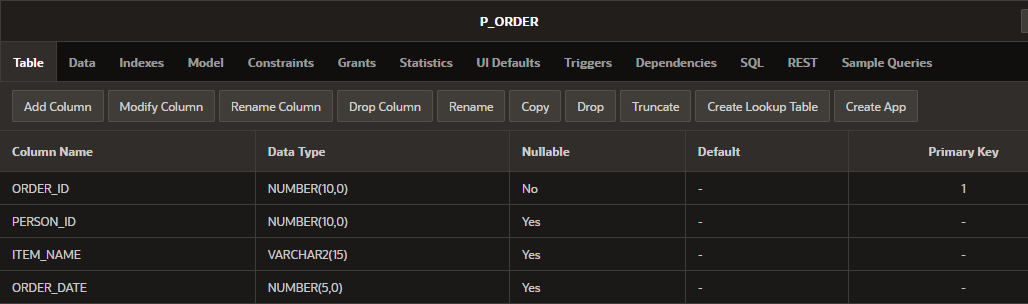
ADD PRIMARY KEY(PERSON\_ID);



**CREATE THE TABLE 2:**

* CREATE TABLE P\_ORDER(ORDER\_ID NUMBER(10),PERSON\_ID NUMBER(10), ITEM\_NAME VARCHAR(15), ORDER\_DATE NUMBER(5));
* ALTER TABLE PERSON

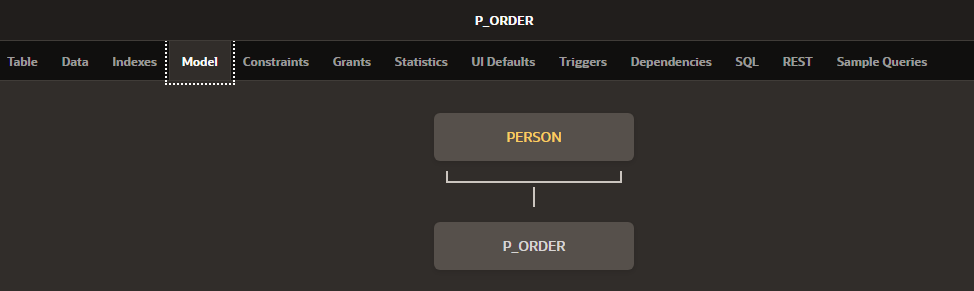
ADD PRIMARY KEY(OREDR\_ID);



**SET THE FOREIGN KEY:**

* ALTER TABLE P\_ORDER

ADD FOREIGN KEY(PERSON\_ID) REFERENCES PERSON(PERSON\_ID);



**CASE AND CONDITION:**

**CASE:**

* SELECT E\_NAME, DEPARTMENT\_NAME, DEPARTMENT\_ID,

CASE SALARY

WHEN 30000 THEN 'DESIGNER'

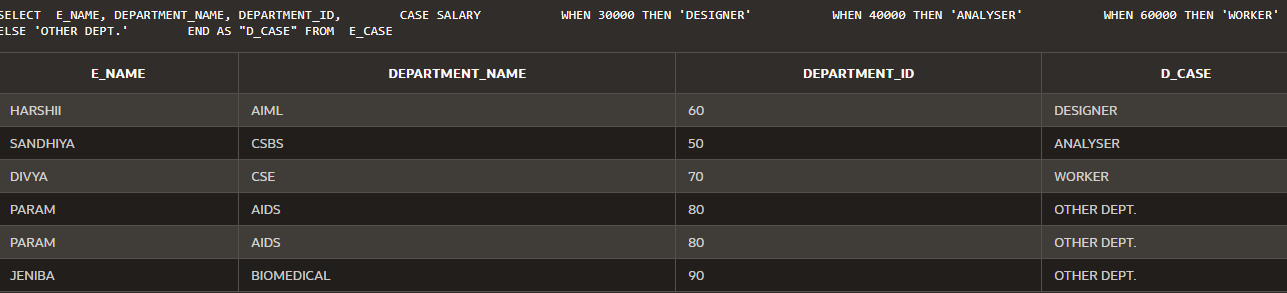
WHEN 40000 THEN 'ANALYSER'

WHEN 60000 THEN 'WORKER'

ELSE 'OTHER DEPT.'

END AS "D\_CASE"

FROM E\_CASE;



* **DECODE:**
* SELECT E\_NAME,DEPARTMENT\_NAME, SALARY,

DECODE(SALARY,

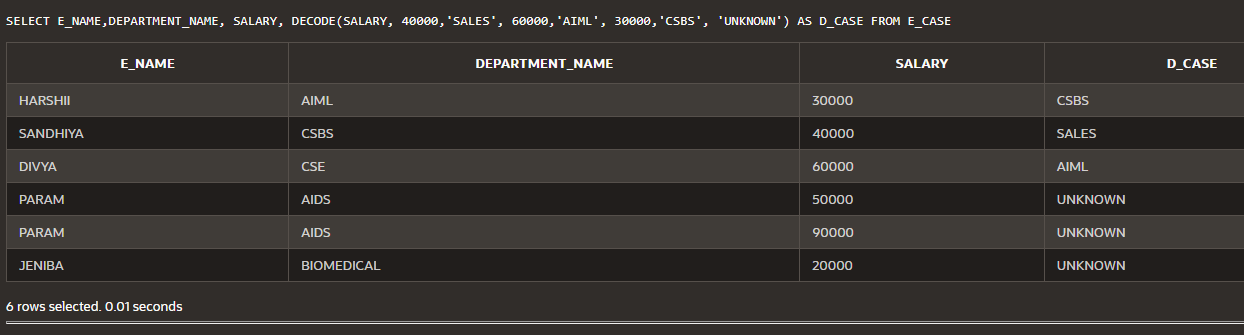
40000,'SALES',

60000,'AIML',

30000,'CSBS',

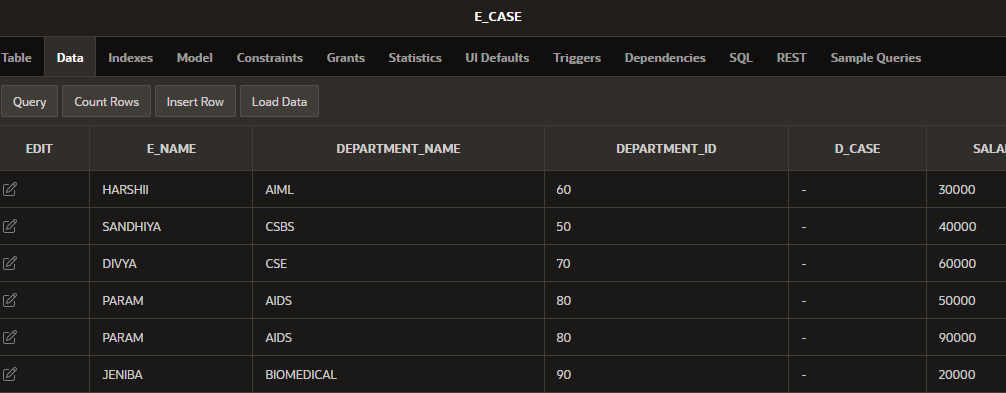
'UNKNOWN') AS D\_CASE

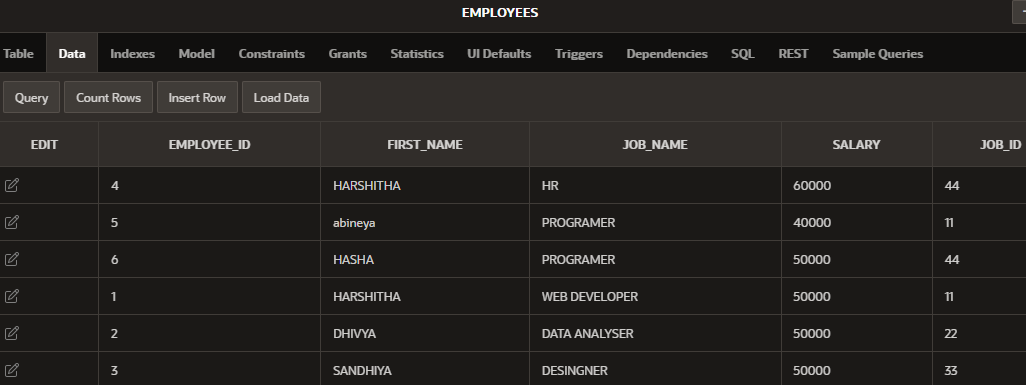
FROM E\_CASE;



* **NATURAL JOIN:**
* SELECT E\_NAME,DEPARTMENT\_NAME, SALARY,EMPLOYEE\_ID

FROM E\_CASE NATURAL JOIN EMPLOYEES;







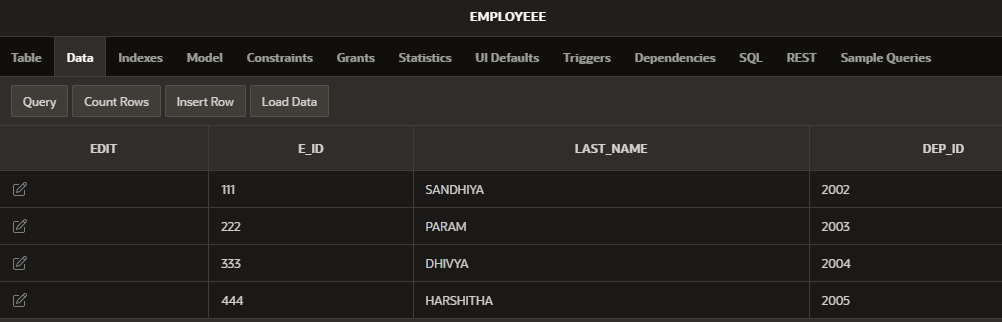
**JOIN THE TABLE USING CLAUSE:**

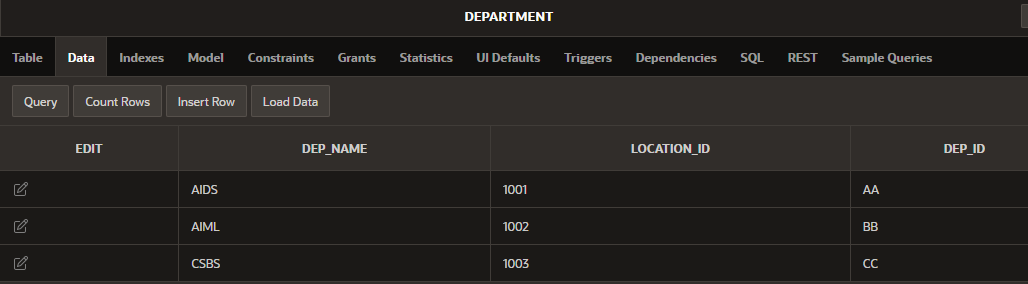
* SELECT EMPLOYEEE.LAST\_NAME, DEP\_ID, EMPLOYEEE.E\_ID

FROM EMPLOYEEE

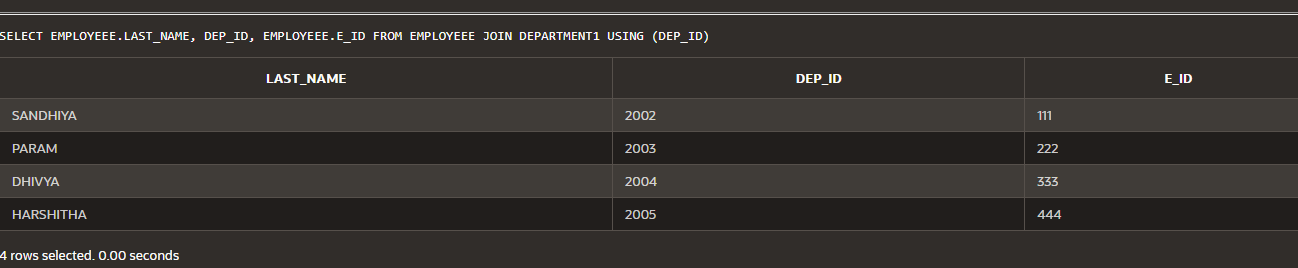
JOIN DEPARTMENT1

USING (DEP\_ID);





**OUTPUT:**



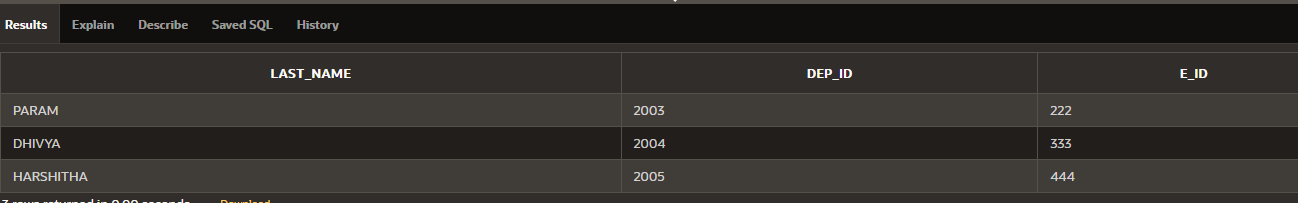
* **JOIN USING CONDITION:**
* SELECT EMPLOYEEE.LAST\_NAME, DEP\_ID, EMPLOYEEE.E\_ID

FROM EMPLOYEEE

JOIN DEPARTMENT1

USING (DEP\_ID)

WHERE DEP\_ID >= 2003;



* **JOIN USING “ON”:**
* SELECT EMPLOYEEE.LAST\_NAME,

EMPLOYEEE.DEP\_ID AS DEPT\_DEP\_ID,

DEPARTMENT1.DEP\_ID AS DEPT\_DEP\_ID,

EMPLOYEEE.E\_ID

FROM EMPLOYEEE JOIN DEPARTMENT1

ON EMPLOYEEE.DEP\_ID= DEPARTMENT1.DEP\_ID;



* **JOIN THE TWO TABLE USING WHERE CONDITION:**

SELECT EMPLOYEEE.LAST\_NAME, DEP\_ID, EMPLOYEEE.E\_ID

FROM EMPLOYEEE

JOIN DEPARTMENT1

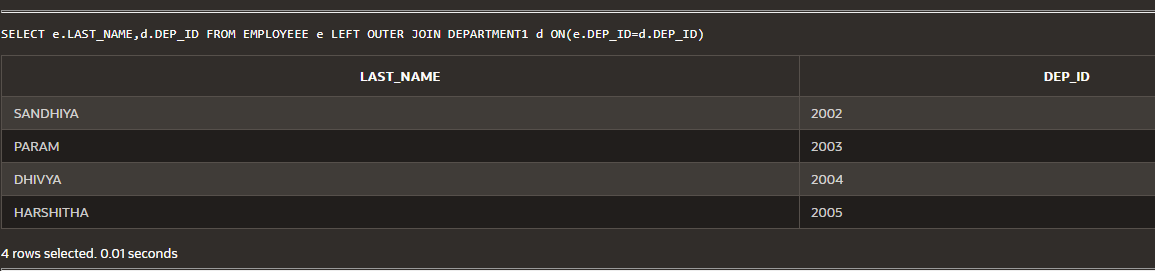
USING (DEP\_ID)

WHERE EMPLOYEEE.LAST\_NAME LIKE '%A';

* **LEFT OUTER JOIN:**
* SELECT e.LAST\_NAME,d.DEP\_ID

FROM EMPLOYEEE e LEFT OUTER JOIN

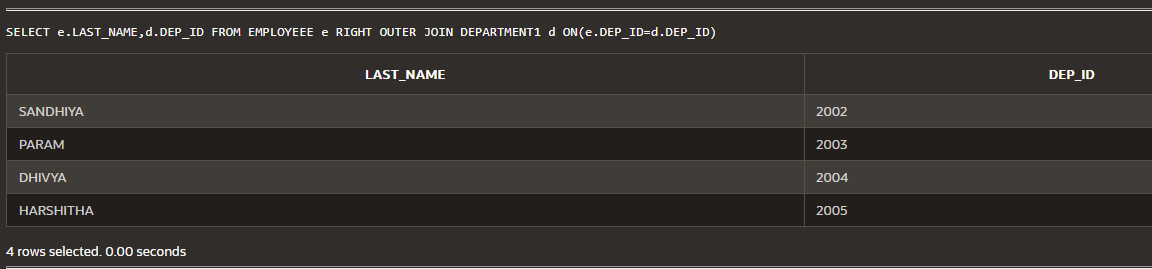
DEPARTMENT1 d ON(e.DEP\_ID=d.DEP\_ID);



* **RIGHT OUTER JOIN**
* SELECT e.LAST\_NAME,d.DEP\_ID

FROM EMPLOYEEE e RIGHT OUTER JOIN

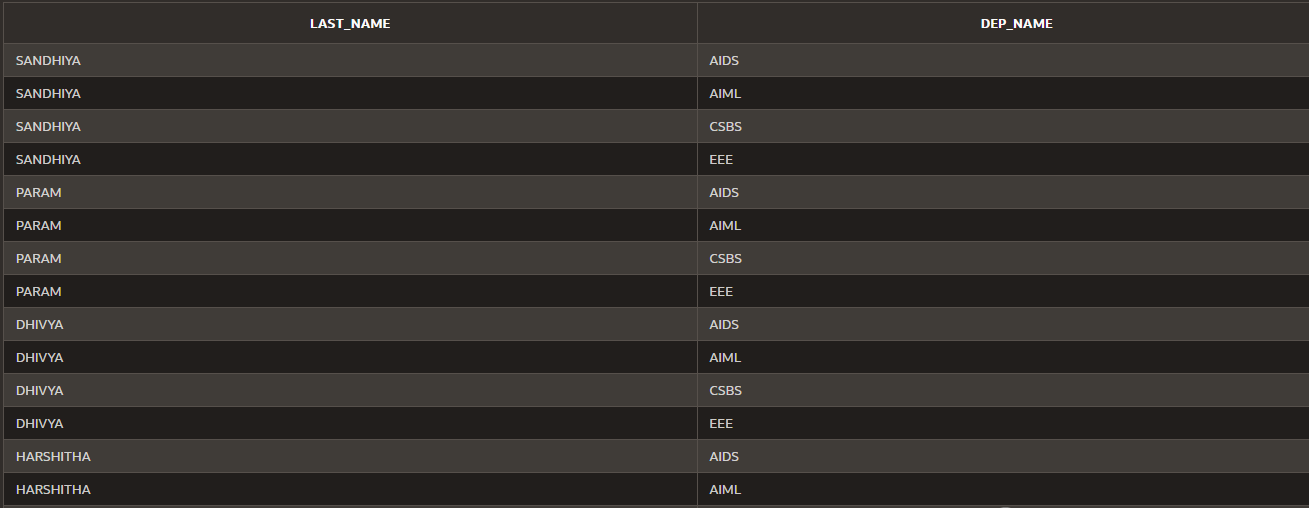
DEPARTMENT1 d ON(e.DEP\_ID=d.DEP\_ID);



* **CROSS JOIN:**
* SELECT LAST\_NAME,DEP\_NAME

FROM EMPLOYEEE CROSS JOIN

DEPARTMENT1;



* **JOIN USING “||…” OPERATOR:**
* SELECT EMPLOYEEE.LAST\_NAME||' WORKS FROM '||DEPARTMENT1.DEP\_NAME

AS "WORKSFROM"

FROM EMPLOYEEE JOIN DEPARTMENT1

ON (EMPLOYEEE.DEP\_ID=DEPARTMENT1.DEP\_ID);

