USE DATABASE DEMODATABASE;

CREATE OR REPLACE TABLE "CONSUMER\_COMPLAINTS"

(

"DATE\_RECEIVED" STRING ,

"PRODUCT NAME" VARCHAR2(50) ,

"SUB\_PRODUCT" VARCHAR2(40) ,

"ISSUE" VARCHAR2(100),

"SUB\_ISSUE" VARCHAR2(100),

"CONSUMER COMPLAINT NARRATIVE" VARCHAR2(100),

"Company Public Response" STRING,

"Company" VARCHAR(30),

"State Name" CHAR(4),

"Zip Code" INTEGER,

"Tags" VARCHAR(10),

"Consumer Consent Provided" CHAR(6),

"Submitted via" STRING,

"Date Sent to Company" STRING,

"Company Response to Consumer" VARCHAR(50),

"Timely Response" CHAR(4),

"CONSUMER DISPUTED" CHAR(4),

"COMPLAINT\_ID" NUMBER(12,0) NOT NULL PRIMARY KEY

);

SELECT \* FROM "DEMODATABASE"."PUBLIC"."CONSUMER\_COMPLAINTS";

select \* from "DEMODATABASE"."CLONE\_SCHEMA"."DEMO\_INFO\_TABLE";

CREATE OR REPLACE TABLE OWNER

(

OwnerID INTEGER NOT NULL PRIMARY KEY ,

Name VARCHAR2(20),

Surname STRING,

StreetAddress VARCHAR2(50),

City STRING,

State CHAR(4),

StateFull STRING,

ZipCode INTEGER

);

CREATE OR REPLACE TABLE PETS

(

PetID VARCHAR(10) NOT NULL PRIMARY KEY,

Name VARCHAR(20),

Kind STRING,

Gender CHAR(7),

Age INTEGER,

OwnerID INTEGER NOT NULL REFERENCES OWNER

);

SELECT \* FROM OWNER; -- 89 ROWS

SELECT \* FROM PETS;-- 100 ROWS

SELECT COUNT(DISTINCT OwnerID) from OWNER;

SELECT COUNT(DISTINCT PetID) from PETS;

-- NEED THE NAME OF OWNER & THEIR DOGS NAME ALONG WITH THEIR AGE ---- INNER JOIN

SELECT O.Name AS OWNER\_NAME,p.NAME AS PET\_NAME,p.age AS PET\_AGE

FROM OWNER o

INNER JOIN PETS p ON o.OwnerID = p.OwnerID;

--NEED THE NAME OF ALL THE OWNERS IRRESPECTIVE WETHER OR NOT THEY ARE HAVING PETS

SELECT O.Name AS OWNER\_NAME,p.NAME AS PET\_NAME,p.age AS PET\_AGE

FROM OWNER o

LEFT OUTER JOIN PETS p ON o.OwnerID = p.OwnerID;

--- COUNT OF PETS EACH OWNER HAS

SELECT O.Name AS OWNER\_NAME,COUNT(DISTINCT p.PETID)

FROM OWNER o

INNER JOIN PETS p ON o.OwnerID = p.OwnerID

GROUP BY 1

ORDER BY 2 DESC;

---RIGHT JOIN

SELECT O.Name AS OWNER\_NAME,p.NAME AS PET\_NAME,p.age AS PET\_AGE

FROM OWNER o

RIGHT JOIN PETS p ON o.OwnerID = p.OwnerID;

--FULL OUTER JOIN

SELECT O.\*,P.\*

FROM OWNER O

FULL OUTER JOIN PETS p ON o.OwnerID = p.OwnerID;

-- INFO OF ALL THE PETS HOLD BY THEIR OWNER

SELECT DISTINCT KIND FROM PETS;

SELECT KIND,COUNT(\*) FROM PETS

GROUP BY 1;

--- CROSS JOIN

SELECT O.\*,P.\*

FROM OWNER O

CROSS JOIN PETS p ;

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CREATE OR REPLACE TABLE EMPLOYEE

(

EMPID INTEGER NOT NULL PRIMARY KEY,

EMP\_NAME VARCHAR2(20),

JOB\_ROLE STRING,

SALARY NUMBER(10,2)

);

INSERT INTO EMPLOYEE

VALUES('101','ANAND JHA','Analyst',50000);

INSERT INTO EMPLOYEE

VALUES(102,'ALex', 'Data Enginner',60000);

INSERT INTO EMPLOYEE

VALUES(103,'Ravi', 'Data Scientist',48000);

INSERT INTO EMPLOYEE

VALUES(104,'Peter', 'Analyst',98000);

INSERT INTO EMPLOYEE

VALUES(105,'Pulkit', 'Data Scientist',72000);

INSERT INTO EMPLOYEE

VALUES(106,'Robert','Analyst',100000);

INSERT INTO EMPLOYEE

VALUES(107,'Rishabh','Data Engineer',67000);

INSERT INTO EMPLOYEE

VALUES(108,'Subhash','Manager',148000);

INSERT INTO EMPLOYEE

VALUES(109,'Michaeal','Manager',213000);

INSERT INTO EMPLOYEE

VALUES(110,'Dhruv','Data Scientist',89000);

DELETE FROM EMPLOYEE WHERE EMPID = 110;

SELECT \* FROM EMPLOYEE;