Ex:5 JOIN STATEMENTS

AIM:

To create table and manipulating with JOIN statements.

DESCRIPTION:

The JOIN keyword is used in an SQL statement to query data from two or more tables, based on a relationship between certain columns in these tables. Tables in a database are often related to each other with keys.

A primary key is a column (or a combination of columns) with a unique value for each row. Each primary key value must be unique within the table. The purpose is to bind data together, across tables, without repeating all of the data in every table.

**JOIN STATEMENT**

**CREATE:**

**create table person (pid number(9),fname varchar(10),lname varchar(10),address varchar(20), city varchar(8));**

**Table created.**

**DESCRIPTION:**

**SQL> desc person;**

**Name Null? Type**

**----------------------------------------- -------- ----------------------------**

**PID NUMBER(9)**

**FNAME VARCHAR2(10)**

**LNAME VARCHAR2(10)**

**ADDRESS VARCHAR2(20)**

**CITY VARCHAR2(8)**

**SELECT:**

**SQL> select \* from person;**

**PID FNAME LNAME ADDRESS CITY**

**-------------------------------------------------------------------**

**2 hanson ola timelewer sydny**

**3 villears ab north captown**

**4 herth hn south lahore**

**SQL> desc order1;**

**Name Null? Type**

**----------------------------------------- -------- ----------------------------**

**O\_ID NUMBER(3)**

**ORDERNO NUMBER(8)**

**PID NUMBER(5)**

**INSERT:**

**SQL> insert into order1 values(&o\_id,&oerderno,&pid);**

**Enter value for o\_id: 2**

**Enter value for oerderno: 2345**

**Enter value for pid: 2**

**old 1: insert into order1 values(&o\_id,&oerderno,&pid)**

**new 1: insert into order1 values(2,2345,2)**

**1 row created.**

**SQL> / insert into order1 values(&o\_id,&oerderno,&pid);**

**Enter value for o\_id: 3**

**Enter value for oerderno: 75465**

**Enter value for pid: 2**

**old 1: insert into order1 values(&o\_id,&oerderno,&pid)**

**new 1: insert into order1 values(3,75465,2)**

**1 row created.**

**SQL> /**

**Enter value for o\_id: 4**

**Enter value for oerderno: 7668**

**Enter value for pid: 4**

**old 1: insert into order1 values(&o\_id,&oerderno,&pid)**

**new 1: insert into order1 values(4,7668,4)**

**1 row created.**

**SQL> select \* from order1;**

**O\_ID ORDERNO PID**

**---------- ---------- ----------**

**2 2345 2**

**INNER JION:**

**SQL> select person.fname,person.lname,order1.orderno from person inner join order1 on person .pid=**

**order1.pid;**

**FNAME LNAME ORDERNO**

**---------- ---------- ----------**

**hanson ola 2345**

**hanson ola 75465**

**herth hn 7668**

**LEFT JION:**

**SQL> select person.fname,person.lname,order1.orderno from person left join order1 on person.pid=orde r1.pid;**

**FNAME LNAME ORDERNO**

**---------- ---------- ----------**

**hanson ola 2345**

**hanson ola 75465**

**herth hn 7668**

**SQL> select \* from person;**

**PID FNAME LNAME ADDRESS CITY**

**---------- ---------- ---------- ---------------------------**

**2 hanson ola timelewer sydny**

**3 villears ab north captown**

**4 herth hn south lahore**

**SQL> select \* from order1;**

**O\_ID ORDERNO PID**

**---------- ---------- ----------**

**2 345 2**

**3 5465 2**

**4 7668 4**

**5 456 5**

**RIGHT JION:**

**SQL> select person.fname, person.lname, order1.orderno from person right join order1 on person.pid=ord er1.pid;**

**FNAME LNAME ORDERNO**

**---------- ---------- ----------**

**hanson ola 75465**

**hanson ola 2345**

**herth hn 7668**

**FULL JOIN:**

**SQL> select person.fname,person.lname,order1.orderno from person full join order1 on person.pid=order1.pid;**

**FNAME LNAME ORDERNO**

**---------- ---------- ----------**

**hanson ola 2345**

**hanson ola 75465**

**herth hn 7668**

**villears ab 456**