**Practical 5th :- Query Based on Operators and Joins**

* **Simple and Nested Query :-**

SQL> **create table cust11( id int primary key, name varchar(20), age int, addr varchar(20), sal float);**

Table created.

SQL> insert into cust11 values(1,'Ramesh',32,'Ahmedabad',2000);

1 row created.

insert into cust11 values(2,'Khilan',25,'Delhi',1500);

insert into cust11 values(3,'Kaushik',23,'Kota',2000);

insert into cust11 values(4,'Chaitali',25,'Mumbai',6500);

insert into cust11 values(5,'Hardik',27,'bHOPAL',8500);

insert into cust11 values(6,'Komal',22,'MP',4500);

insert into cust11 values(7,'Muffy',24,'Indore',10000);

**create table orders(oid int primary key, order\_date date,cid int references cust11(id), amount int);**

insert into orders values(102,'08-Oct-2009',3,3000);

insert into orders values(100,'08-Oct-2009',3,1500);

insert into orders values(101,'20-Nov-2009',2,1560);

insert into orders values(103,'20-May-2008',4,2060);

* **Inner Join :-**

SQL> select id, name, amount, order\_date from cust11 inner join orders on cust11.id=orders.cid;

ID NAME AMOUNT ORDER\_DAT

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3 Kaushik 3000 08-OCT-09

3 Kaushik 1500 08-OCT-09

2 Khilan 1560 20-NOV-09

4 Chaitali 2060 20-MAY-08

* **Left join :-**

select id, name, amount, order\_date from cust11 left join orders on cust11.id=orders.cid;

**ID NAME AMOUNT ORDER\_DAT**

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**3 Kaushik 3000 08-OCT-09**

**3 Kaushik 1500 08-OCT-09**

**2 Khilan 1560 20-NOV-09**

**4 Chaitali 2060 20-MAY-08**

**5 Hardik**

**1 Ramesh**

**6 Komal**

**7 Muffy**

* **Right join :-**

select id, name, amount, order\_date from cust11 right join orders on cust11.id=orders.cid;

ID NAME AMOUNT ORDER\_DAT

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2 Khilan 1560 20-NOV-09

3 Kaushik 1500 08-OCT-09

3 Kaushik 3000 08-OCT-09

4 Chaitali 2060 20-MAY-08

* **Cross Join :-**

select id, name, amount, order\_date from cust11 , orders;

ID NAME AMOUNT ORDER\_DAT

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1 Ramesh 3000 08-OCT-09

2 Khilan 3000 08-OCT-09

3 Kaushik 3000 08-OCT-09

4 Chaitali 3000 08-OCT-09

5 Hardik 3000 08-OCT-09

6 Komal 3000 08-OCT-09

7 Muffy 3000 08-OCT-09

1 Ramesh 1500 08-OCT-09

2 Khilan 1500 08-OCT-09

3 Kaushik 1500 08-OCT-09

4 Chaitali 1500 08-OCT-09

5 Hardik 1500 08-OCT-09

6 Komal 1500 08-OCT-09

7 Muffy 1500 08-OCT-09

1 Ramesh 1560 20-NOV-09

2 Khilan 1560 20-NOV-09

3 Kaushik 1560 20-NOV-09

4 Chaitali 1560 20-NOV-09

5 Hardik 1560 20-NOV-09

6 Komal 1560 20-NOV-09

7 Muffy 1560 20-NOV-09

ID NAME AMOUNT ORDER\_DAT

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1 Ramesh 2060 20-MAY-08

2 Khilan 2060 20-MAY-08

3 Kaushik 2060 20-MAY-08

4 Chaitali 2060 20-MAY-08

5 Hardik 2060 20-MAY-08

6 Komal 2060 20-MAY-08

1. Muffy 2060 20-MAY-08

* **Self join :-**

select a.id, b.name, a.sal from cust11 a, cust11 b where a.sal<b.sal;

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2 Ramesh 1500

2 Kaushik 1500

1 Chaitali 2000

2 Chaitali 1500

3 Chaitali 2000

6 Chaitali 4500

1 Hardik 2000

2 Hardik 1500

3 Hardik 2000

4 Hardik 6500

6 Hardik 4500

1 Komal 2000

2 Komal 1500

3 Komal 2000

1 Muffy 2000

2 Muffy 1500

3 Muffy 2000

4 Muffy 6500

5 Muffy 8500

6 Muffy 4500