

Experiment No. 9

```
SQL> create table instInfo(id int, name varchar(20), age int, city varchar(20));
```

Table created.

```
SQL> insert into instInfo values(1, 'prathamesh', 20, 'karad');
```

1 row(s) inserted.

```
SQL> insert into instInfo values(2, 'nikhil', 21, 'karad');
```

1 row(s) inserted.

```
SQL> insert into instInfo values(3, 'sumit', 21, 'karad');
```

1 row(s) inserted.

```
SQL> create table instBranch(id int, branch varchar(20), subject varchar(20));
```

Table created.

```
SQL> insert into instBranch values (1, 'Cse', 'Dbms');
```

1 row(s) inserted.

```
SQL> insert into instBranch values (2, 'Cse', 'Os');
```

1 row(s) inserted.

```
SQL> insert into instBranch values (3, 'Cse', 'ML');
```

1 row(s) inserted.

```
SQL> select * from instInfo;
```

ID	NAME	AGE	CITY
1	prathamesh	20	karad
2	nikhil	21	karad
3	sumit	21	karad

```
SQL> select * from instBranch;
```

ID	BRANCH	SUBJECT
1	Cse	Dbms
2	Cse	Os
3	Cse	ML

```
SQL> select * from instInfo natural join instBranch;
```

ID	NAME	AGE	CITY	BRANCH	SUBJECT
1	prathamesh	20	karad	Cse	Dbms
2	nikhil	21	karad	Cse	Os
3	sumit	21	karad	Cse	ML

SQL> select *from instInfo left outer join instBranch on instInfo.id=instBranch.id;

ID	NAME	AGE	CITY	ID	BRANCH	SUBJECT
1	prathamesh	20	karad	1	Cse	Dbms
2	nikhil	21	karad	2	Cse	Os
3	sumit	21	karad	3	Cse	ML

SQL> select *from instInfo right outer join instBranch on instInfo.id=instBranch.id;

ID	NAME	AGE	CITY	ID	BRANCH	SUBJECT
1	prathamesh	20	karad	1	Cse	Dbms
2	nikhil	21	karad	2	Cse	Os
3	sumit	21	karad	3	Cse	ML

select *from instInfo full outer join instBranch on instInfo.id=instBranch.id;

ID	NAME	AGE	CITY	ID	BRANCH	SUBJECT
1	prathamesh	20	karad	1	Cse	Dbms
2	nikhil	21	karad	2	Cse	Os
3	sumit	21	karad	3	Cse	ML

select *from instInfo cross join instBranch;

ID	NAME	AGE	CITY	ID	BRANCH	SUBJECT
1	prathamesh	20	karad	1	Cse	Dbms
1	prathamesh	20	karad	2	Cse	Os
1	prathamesh	20	karad	3	Cse	ML
2	nikhil	21	karad	1	Cse	Dbms
2	nikhil	21	karad	2	Cse	Os
2	nikhil	21	karad	3	Cse	ML
3	sumit	21	karad	1	Cse	Dbms
3	sumit	21	karad	2	Cse	Os
3	sumit	21	karad	3	Cse	ML

SQL> select *from instInfo inner join instBranch on instInfo.id=instBranch.id;

ID	NAME	AGE	CITY	ID	BRANCH	SUBJECT
1	prathamesh	20	karad	1	Cse	Dbms
2	nikhil	21	karad	2	Cse	Os
3	sumit	21	karad	3	Cse	ML