

All Online Learning

www.allonlinelearning.com

Join Operations:

Table 1: department

<u>Dept ID</u>	<u>Dept Name</u>
4	Mechanical
1	Information Technology
2	Electrical
3	Civil
5	Chemical

Table 2: stud_member

<u>Roll No</u>	<u>F Name</u>	<u>M Name</u>	<u>S Name</u>	<u>Dept ID</u>	<u>Semester</u>	<u>Contact No</u>	<u>Gender</u>
1	Ankur	Samir	Kahar	1	1	272121	M
2	Dhaval	Dhiren	Joshi	1	1	232122	M
10	Komal	Maheskumar	Pandey	2	3	123123	F
13	Amit	Jitenkumar	Mehta	3	3	453667	M

Inner join :

SELECT * FROM department INNER JOIN stud_member ON department.Dept_ID= stud_member.Dept_ID;

<u>Dept ID</u>	<u>Dept Name</u>	<u>Roll No</u>	<u>F Name</u>	<u>M Name</u>	<u>S Name</u>	<u>Dept ID</u>	<u>Semester</u>	<u>Contact No</u>	<u>Gender</u>
3	Civil	13	Amit	Jitenkumar	Mehta	3	3	453667	M
2	Electrical	10	Komal	Maheskumar	Pandey	2	3	123123	F
1	Information Technology	1	Ankur	Samir	Kahar	1	1	272121	M
1	Information Technology	2	Dhaval	Dhiren	Joshi	1	1	232122	M

All Online Learning

www.allonlinelearning.com

```
SELECT department.Dept_Name, stud_member.F_Name FROM department INNER JOIN stud_member ON
department.Dept_ID= stud_member.Dept_ID;
```

<u>Dept_Name</u>	<u>F_Name</u>
Information Technology	Ankur
Information Technology	Dhaval
Electrical	Komal
Civil	Amit

Left Outer Join:

```
SELECT column_name(s)
FROM table1
LEFT JOIN table2
ON table1.column_name = table2.column_name;
```

```
SELECT department.Dept_Name, stud_member.F_Name FROM department LEFT JOIN stud_member ON
department.Dept_ID= stud_member.Dept_ID;
```

<u>Dept_Name</u>	<u>F_Name</u>
Information Technology	Ankur
Information Technology	Dhaval
Electrical	Komal
Civil	Amit
Mechanical	NULL
Chemical	NULL

Right Outer Join:

```
SELECT column_name(s)
FROM table1
RIGHT JOIN table2
ON table1.column_name = table2.column_name;
```

```
SELECT department.Dept_Name, stud_member.F_Name FROM department RIGHT JOIN stud_member ON
department.Dept_ID= stud_member.Dept_ID;
```

All Online Learning

www.allonlinelearning.com

<u>Dept Name</u>	<u>F Name</u>
Information Technology	Ankur
Information Technology	Dhaval
Electrical	Komal
Civil	Amit

Full Outer Join:

```
SELECT column_name(s)
FROM table1
FULL OUTER JOIN table2
ON table1.column_name = table2.column_name
WHERE condition;
```

```
SELECT Customers.CustomerName, Orders.OrderID
FROM Customers
FULL OUTER JOIN Orders ON Customers.CustomerID=Orders.CustomerID
ORDER BY Customers.CustomerName;
```

```
SELECT department.Dept_Name, stud_member.F_Name
FROM department
FULL JOIN stud_member
ON department.Dept_ID= stud_member.Dept_ID;
```

<u>Dept Name</u>	<u>F Name</u>
Information Technology	Ankur
Information Technology	Dhaval
Electrical	Komal
Civil	Amit
Mechanical	NULL
Chemical	NULL