

Inner Join

➤ Employees

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	MANAGER_ID	DEPARTMENT_ID
▶	101	Anik	Das	anik@gmail.com	43254	M101	10
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20
	103	Rahul	Das	rahul@gmail.com	43246	M103	30
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40

➤ Department

	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID	ADDRESS
▶	10	Administration	M101	1500	Gazipur
	20	Marketing	M102	1700	Gazipur

-- INNER JOIN

SELECT * FROM EMPLOYEES INNER JOIN DEPARTMENT

ON EMPLOYEES.DEPARTMENT_ID=DEPARTMENT.DEPARTMENT_ID;

Inner Join

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	MANAGER_ID	DEPARTMENT_ID	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID	ADDRESS
▶	101	Anik	Das	anik@gmail.com	43254	M101	10	10	Administration	M101	1500	Gazipur
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20	20	Marketing	M102	1700	Gazipur

Left Join

➤ Employees

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	MANAGER_ID	DEPARTMENT_ID
▶	101	Anik	Das	anik@gmail.com	43254	M101	10
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20
	103	Rahul	Das	rahul@gmail.com	43246	M103	30
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40

➤ Department

	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID	ADDRESS
▶	10	Administration	M101	1500	Gazipur
	20	Marketing	M102	1700	Gazipur

-- LEFT JOIN

SELECT * FROM EMPLOYEES LEFT JOIN DEPARTMENT

ON EMPLOYEES.DEPARTMENT_ID=DEPARTMENT.DEPARTMENT_ID;

Left Join

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	MANAGER_ID	DEPARTMENT_ID	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID	ADDRESS
▶	101	Anik	Das	anik@gmail.com	43254	M101	10	10	Administration	M101	1500	Gazipur
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20	20	Marketing	M102	1700	Gazipur
	103	Rahul	Das	rahul@gmail.com	43246	M103	30	NULL	NULL	NULL	NULL	NULL
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40	NULL	NULL	NULL	NULL	NULL

Right Join

➤ Employees

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	MANAGER_ID	DEPARTMENT_ID
▶	101	Anik	Das	anik@gmail.com	43254	M101	10
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20
	103	Rahul	Das	rahul@gmail.com	43246	M103	30
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40

➤ Department

	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID	ADDRESS
▶	10	Admistration	M101	1500	Gazipur
	20	Marketing	M102	1700	Gazipur
	30	Purchasing	M103	1400	Narsingdi
	40	Human Resource	M104	1100	Narsingdi
	50	Shipping	M105	1300	Dinajpur
	60	IT	M106	1800	Narsingdi

-- RIGHT JOIN

SELECT * FROM EMPLOYEES RIGHT JOIN DEPARTMENT

ON EMPLOYEES.DEPARTMENT_ID=DEPARTMENT.DEPARTMENT_ID;

Right Join

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	MANAGER_ID	DEPARTMENT_ID	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID	ADDRESS
▶	101	Anik	Das	anik@gmail.com	43254	M101	10	10	Admistration	M101	1500	Gazipur
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20	20	Marketing	M102	1700	Gazipur
	103	Rahul	Das	rahul@gmail.com	43246	M103	30	30	Purchasing	M103	1400	Narsingdi
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40	40	Human Resource	M104	1100	Narsingdi
	NULL	NULL	NULL	NULL	NULL	NULL	50	50	Shipping	M105	1300	Dinajpur
	NULL	NULL	NULL	NULL	NULL	NULL	60	60	IT	M106	1800	Narsingdi

Full Join

➤ Employees

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	MANAGER_ID	DEPARTMENT_ID
▶	101	Anik	Das	anik@gmail.com	43254	M101	10
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20
	103	Rahul	Das	rahul@gmail.com	43246	M103	30
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40

➤ Department

	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID	ADDRESS
▶	10	Admistration	M101	1500	Gazipur
	20	Marketing	M102	1700	Gazipur

-- FULL JOIN

SELECT * FROM EMPLOYEES FULL JOIN DEPARTMENT;

Full Join

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	MANAGER_ID	DEPARTMENT_ID	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID	ADDRESS
▶	101	Anik	Das	anik@gmail.com	43254	M101	10	20	Marketing	M102	1700	Gazipur
	101	Anik	Das	anik@gmail.com	43254	M101	10	10	Admistration	M101	1500	Gazipur
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20	20	Marketing	M102	1700	Gazipur
		Ashim	Mitra	ashim@gmail.com	43250	M102	20	10	Admistration	M101	1500	Gazipur
	103	Rahul	Das	rahul@gmail.com	43246	M103	30	20	Marketing	M102	1700	Gazipur
	103	Rahul	Das	rahul@gmail.com	43246	M103	30	10	Admistration	M101	1500	Gazipur
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40	20	Marketing	M102	1700	Gazipur
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40	10	Admistration	M101	1500	Gazipur

Full Join

➤ Employees

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	MANAGER_ID	DEPARTMENT_ID
▶	101	Anik	Das	anik@gmail.com	43254	M101	10
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20
	103	Rahul	Das	rahul@gmail.com	43246	M103	30
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40

➤ Department

	DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID	ADDRESS
▶	10	Administration	M101	1500	Gazipur
	20	Marketing	M102	1700	Gazipur

-- SELF JOIN

SELECT * FROM EMPLOYEES SELF JOIN EMPLOYEES;

Full Join

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	MANAGER_ID	DEPARTMENT_ID	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL
▶	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40	101	Anik	Das	anik@g
	103	Rahul	Das	rahul@gmail.com	43246	M103	30	101	Anik	Das	anik@g
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20	101	Anik	Das	anik@g
	101	Anik	Das	anik@gmail.com	43254	M101	10	101	Anik	Das	anik@g
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40	102	Ashim	Mitra	ashim@
	103	Rahul	Das	rahul@gmail.com	43246	M103	30	102	Ashim	Mitra	ashim@
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20	102	Ashim	Mitra	ashim@
	101	Anik	Das	anik@gmail.com	43254	M101	10	102	Ashim	Mitra	ashim@
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40	103	Rahul	Das	rahul@
	103	Rahul	Das	rahul@gmail.com	43246	M103	30	103	Rahul	Das	rahul@
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20	103	Rahul	Das	rahul@
	101	Anik	Das	anik@gmail.com	43254	M101	10	103	Rahul	Das	rahul@
	104	Rayhan	Khan	rayhan@gmail.com	43242	M104	40	104	Rayhan	Khan	rayhan
	103	Rahul	Das	rahul@gmail.com	43246	M103	30	104	Rayhan	Khan	rayhan
	102	Ashim	Mitra	ashim@gmail.com	43250	M102	20	104	Rayhan	Khan	rayhan
	101	Anik	Das	anik@gmail.com	43254	M101	10	104	Rayhan	Khan	rayhan