

## Practical No. 04

### 1. JOINS

#### a. INNER JOIN

➤ **SELECT \* FROM** student **INNER JOIN** department **ON** student.depno = department.depno;

Output:

	sid	sname	address	dob	age	phone	depno	hostelid	marks	depno	dname
►	1	shubham	aurangabad	2000-08-29	21	8888385538	1	1	88	1	CSE
	2	Sandeep	Waluj	2001-11-07	22	9374937383	1	2	99	1	CSE
	3	Kunal	Waluj	2002-12-03	3	35568446	1	2	87	1	CSE
	4	Varun	Mumbai	2003-12-02	50	334385538	1	3	95	1	CSE
	5	Vaibhav	New York City	2000-08-13	21	4644564634	2	4	90	2	AI&DS
	6	Shubham Umbarje	California	1947-08-15	26	459938389	2	0	77	2	AI&DS
	7	Ajay	Africa	1947-03-19	26	459938389	3	0	88	3	CIVIL

#### b. LEFT JOIN

➤ **SELECT \* FROM** student **LEFT JOIN** department **ON** student.depno = department.depno;

Output:

	sid	sname	address	dob	age	phone	depno	hostelid	marks	depno	dname
►	1	shubham	aurangabad	2000-08-29	21	8888385538	1	1	88	1	CSE
	2	Sandeep	Waluj	2001-11-07	22	9374937383	1	2	99	1	CSE
	3	Kunal	Waluj	2002-12-03	3	35568446	1	2	87	1	CSE
	4	Varun	Mumbai	2003-12-02	50	334385538	1	3	95	1	CSE
	5	Vaibhav	New York City	2000-08-13	21	4644564634	2	4	90	2	AI&DS
	6	Shubham Umbarje	California	1947-08-15	26	459938389	2	0	77	2	AI&DS
	7	Ajay	Africa	1947-03-19	26	459938389	3	0	88	3	CIVIL

#### c. RIGHT JOIN

➤ **SELECT \* FROM** student **RIGHT JOIN** department **ON** student.depno = department.depno;

Output:

	sid	sname	address	dob	age	phone	depno	hostelid	marks	depno	dname
▶	1	shubham	aurangabad	2000-08-29	21	8888385538	1	1	88	1	CSE
	2	Sandeep	Waluj	2001-11-07	22	9374937383	1	2	99	1	CSE
	3	Kunal	Waluj	2002-12-03	3	35568446	1	2	87	1	CSE
	4	Varun	Mumbai	2003-12-02	50	334385538	1	3	95	1	CSE
	5	Vaibhav	New York City	2000-08-13	21	4644564634	2	4	90	2	AI&DS
	6	Shubham Umbarje	California	1947-08-15	26	459938389	2	0	77	2	AI&DS
	7	Ajay	Africa	1947-03-19	26	459938389	3	0	88	3	CIVIL
	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	4	MECH

#### d. FULL JOIN

➤ SELECT \* FROM student FULL JOIN department ON student.depno = department.depno;

Output:

	sid	sname	address	dob	age	phone	depno	hostelid	marks	depno	dname
	1	shubham	aurangabad	2000-08-29	21	8888385538	1	1	88	1	CSE
	2	Sandeep	Waluj	2001-11-07	22	9374937383	1	2	99	1	CSE
	3	Kunal	Waluj	2002-12-03	3	35568446	1	2	87	1	CSE
	4	Varun	Mumbai	2003-12-02	50	334385538	1	3	95	1	CSE
	5	Vaibhav	New York City	2000-08-13	21	4644564634	2	4	90	2	AI&DS
▶	6	Shubham Umbarje	California	1947-08-15	26	459938389	2	0	77	2	AI&DS
	7	Ajay	Africa	1947-03-19	26	459938389	3	0	88	3	CIVIL