

```

1 • USE d1;
2 • Describe table payment;
3 • CREATE table faculty(F_id int primary key,Deptname varchar(10),ename varchar(20),Salary int, job varchar(40));
4 • insert into faculty(F_id,Deptname,ename,Salary,job) values (1,"CSE","Ajay",100000,"HOD");
5 • insert into faculty(F_id,Deptname,ename,Salary,job) values (2,"CSE","Anu",60000,"Teaching");
6 • insert into faculty(F_id,Deptname,ename,Salary,job) values (3,"CSE Apex","Rohan",105000,"HOD");
7 • insert into faculty(F_id,Deptname,ename,Salary,job) values (4,"CSE Apex","Param",70000,"Teaching");
8 • insert into faculty(F_id,Deptname,ename,Salary,job) values (5,"ECE","Aman",45000,"Markiting");
9 • insert into faculty(F_id,Deptname,ename,Salary,job) values (6,"ECE","Varun",90000,"HOD");
11 • Create table acc_detail(E_id int primary key, Deptname varchar(10), sal_status varchar(10));
12 • Insert into acc_detail(E_id,Deptname,sal_status)values(1,"CSE","Paid");
13 • Insert into acc_detail(E_id,Deptname,sal_status)values(2,"CSE","Pending");
14 • Insert into acc_detail(E_id,Deptname,sal_status)values(3,"CSE Apex","Pending");
15 • Insert into acc_detail(E_id,Deptname,sal_status)values(4,"CSE Apex","Paid");
16 • Insert into acc_detail(E_id,Deptname,sal_status)values(5,"ECE","Paid");
17 • Insert into acc_detail(E_id,Deptname,sal_status)values(6,"ECE","Paid");

```

Output

Action Output

#	Time	Action	Message
✓ 1	21:27:05	USE d1	0 row(s) affected
✓ 2	21:27:14	Create table acc_detail(E_id int primary key, Deptname varchar(10), sal_status varchar(10))	0 row(s) affected
✓ 3	21:28:55	Insert into acc_detail(E_id,Deptname,sal_status)values(1,"CSE","Paid")	1 row(s) affected
✓ 4	21:30:16	Insert into acc_detail(E_id,Deptname,sal_status)values(2,"CSE","Pending")	1 row(s) affected
✓ 5	21:30:19	Insert into acc_detail(E_id,Deptname,sal_status)values(3,"CSE Apex","Pending")	1 row(s) affected
✓ 6	21:30:21	Insert into acc_detail(E_id,Deptname,sal_status)values(4,"CSE Apex","Paid")	1 row(s) affected
✓ 7	21:30:25	Insert into acc_detail(E_id,Deptname,sal_status)values(5,"ECE","Paid")	1 row(s) affected
✓ 8	21:30:27	Insert into acc_detail(E_id,Deptname,sal_status)values(6,"ECE","Paid")	1 row(s) affected

```

18 • SELECT * FROM faculty INNER JOIN acc_detail on faculty.F_id = acc_detail.E_id;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [A](#)

F_id	Deptname	ename	Salary	job	E_id	Deptname	sal_status
1	CSE	Ajay	100000	HOD	1	CSE	Paid
2	CSE	Anu	60000	Teaching	2	CSE	Pending
3	CSE Apex	Rohan	105000	HOD	3	CSE Apex	Pending
4	CSE Apex	Param	70000	Teaching	4	CSE Apex	Paid
5	ECE	Aman	45000	Markiting	5	ECE	Paid
6	ECE	Varun	90000	HOD	6	ECE	Paid

```

23 • SELECT job,AVG(Salary) FROM faculty GROUP BY job;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: }

job	AVG(Salary)
HOD	98333.3333
Teaching	65000.0000
Markiting	45000.0000

```

24 • SELECT job,AVG(Salary) FROM faculty GROUP BY job Having AVG(Salary)>60000;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [A](#)

job	AVG(Salary)
HOD	98333.3333
Teaching	65000.0000

20 • `SELECT * FROM faculty LEFT JOIN acc_detail on faculty.F_id=acc_detail.E_id;`

Result Grid								
Filter Rows: <input type="text"/>								
Export: Wrap Cell Content:								
	F_id	Deptname	ename	Salary	job	E_id	Deptname	sal_status
▶	1	CSE	Ajay	100000	HOD	1	CSE	Paid
	2	CSE	Anu	60000	Teaching	2	CSE	Pending
	3	CSE Apex	Rohan	105000	HOD	3	CSE Apex	Pending
	4	CSE Apex	Param	70000	Teaching	4	CSE Apex	Paid
	5	ECE	Aman	45000	Markiting	5	ECE	Paid
	6	ECE	Varun	90000	HOD	6	ECE	Paid

19 • `SELECT * FROM faculty NATURAL JOIN acc detail;`

Result Grid								
Filter Rows: <input type="text"/>								
Export: Wrap Cell Contents:								
	Deptname	F_id	ename	Salary	job	E_id	sal_status	
▶	CSE	2	Anu	60000	Teaching	1	Paid	
	CSE	1	Ajay	100000	HOD	1	Paid	
	CSE	2	Anu	60000	Teaching	2	Pending	
	CSE	1	Ajay	100000	HOD	2	Pending	
	CSE Apex	4	Param	70000	Teaching	3	Pending	
	CSE Apex	3	Rohan	105000	HOD	3	Pending	
	CSE Apex	4	Param	70000	Teaching	4	Paid	
	CSE Apex	3	Rohan	105000	HOD	4	Paid	
	ECE	6	Varun	90000	HOD	5	Paid	
	ECE	5	Aman	45000	Markiting	5	Paid	
	ECE	6	Varun	90000	HOD	6	Paid	
	ECE	5	Aman	45000	Markiting	6	Paid	

25 • `SELECT * from faculty where job in ("HOD","Markiting");`

Result Grid					
Filter Rows: <input type="text"/>					
Edit: Export/Im					
	F_id	Deptname	ename	Salary	job
	1	CSE	Ajay	100000	HOD
	3	CSE Apex	Rohan	105000	HOD
	5	ECE	Aman	45000	Markiting
	6	ECE	Varun	90000	HOD
	NULL	NULL	NULL	NULL	NULL

21 • `SELECT * FROM faculty RIGHT JOIN acc_detail on faculty.F_id=acc_detail.E_id;`

Result Grid								
Filter Rows: <input type="text"/>								
Export: Wrap Cell Content:								
	F_id	Deptname	ename	Salary	job	E_id	Deptname	sal_status
▶	1	CSE	Ajay	100000	HOD	1	CSE	Paid
	2	CSE	Anu	60000	Teaching	2	CSE	Pending
	3	CSE Apex	Rohan	105000	HOD	3	CSE Apex	Pending
	4	CSE Apex	Param	70000	Teaching	4	CSE Apex	Paid
	5	ECE	Aman	45000	Markiting	5	ECE	Paid
	6	ECE	Varun	90000	HOD	6	ECE	Paid

22 • `SELECT * FROM faculty CROSS JOIN acc_detail;`

Result Grid								
			Filter Rows:			Export:		Wrap Cell Content:
	F_id	Deptname	ename	Salary	job	E_id	Deptname	sal_status
▶	6	ECE	Varun	90000	HOD	1	CSE	Paid
	5	ECE	Aman	45000	Markiting	1	CSE	Paid
	4	CSE Apex	Param	70000	Teaching	1	CSE	Paid
	3	CSE Apex	Rohan	105000	HOD	1	CSE	Paid
	2	CSE	Anu	60000	Teaching	1	CSE	Paid
	1	CSE	Ajay	100000	HOD	1	CSE	Paid
	6	ECE	Varun	90000	HOD	2	CSE	Pending
	5	ECE	Aman	45000	Markiting	2	CSE	Pending
	4	CSE Apex	Param	70000	Teaching	2	CSE	Pending
	3	CSE Apex	Rohan	105000	HOD	2	CSE	Pending
	2	CSE	Anu	60000	Teaching	2	CSE	Pending
	1	CSE	Ajay	100000	HOD	2	CSE	Pending
	6	ECE	Varun	90000	HOD	3	CSE Apex	Pending
	5	ECE	Aman	45000	Markiting	3	CSE Apex	Pending
	4	CSE Apex	Param	70000	Teaching	3	CSE Apex	Pending
	3	CSE Apex	Rohan	105000	HOD	3	CSE Apex	Pending
	2	CSE	Anu	60000	Teaching	3	CSE Apex	Pending
	1	CSE	Ajay	100000	HOD	3	CSE Apex	Pending
	6	ECE	Varun	90000	HOD	4	CSE Apex	Paid
	5	ECE	Aman	45000	Markiting	4	CSE Apex	Paid
	4	CSE Apex	Param	70000	Teaching	4	CSE Apex	Paid
	3	CSE Apex	Rohan	105000	HOD	4	CSE Apex	Paid
	2	CSE	Anu	60000	Teaching	4	CSE Apex	Paid
	1	CSE	Ajay	100000	HOD	4	CSE Apex	Paid
	6	ECE	Varun	90000	HOD	5	ECE	Paid
	5	ECE	Aman	45000	Markiting	5	ECE	Paid
	4	CSE Apex	Param	70000	Teaching	5	ECE	Paid
	3	CSE Apex	Rohan	105000	HOD	5	ECE	Paid
	2	CSE	Anu	60000	Teaching	5	ECE	Paid
	1	CSE	Ajay	100000	HOD	5	ECE	Paid
	6	ECE	Varun	90000	HOD	6	ECE	Paid
	5	ECE	Aman	45000	Markiting	6	ECE	Paid
	4	CSE Apex	Param	70000	Teaching	6	ECE	Paid
	3	CSE Apex	Rohan	105000	HOD	6	ECE	Paid
	2	CSE	Anu	60000	Teaching	6	ECE	Paid
	1	CSE	Ajay	100000	HOD	6	ECE	Paid

26 • `SELECT * from faculty where job not in ("HOD");`

Result Grid				
			Filter Rows:	
	F_id	Deptname	ename	Salary
	2	CSE	Anu	60000
	4	CSE Apex	Param	70000
	5	ECE	Aman	45000
	NULL	NULL	NULL	NULL