

Consider below tables

University

U_NO	U_NAME	U_LOCATION
101	Pune	Pune
102	Mumbai	Mumbai
103	SNDT	Mumbai
104	PDU	Aurangabad
105	YCM	Mumbai

College

C_ID	C_NAME	C_LOCATION	UNO
201	JSPM	Pune	101
202	FC	Swarget	105
203	Shivaji College	Mumbai	102
204	MG	Aurangabad	104
205	Jaykranti	Pune	101
206	Abc	Nanded	-

Department

DEPT_ID	DEPT_NAME	C_ID
301	BCA	201
302	MCA	202
303	B.com	201
304	BA	204
305	MBA	203

Professor

P_NO	P_NAME	DEPT_ID	SUB_ID
401	Robin	301	501
402	Melisa	302	502
403	Peterson	305	501
404	Nayan Tara	303	505
405	Yash	302	505

Student

ROLL_NO	NAME	P_NO
901	Yamini	401
902	Ganesh	401
903	Navin	402
904	Threesha	404
905	Pravin	403
906	Jon	403

Subject

SUB_ID	SUB_NAME	MARK
501	SQL	100
502	Linux	100
503	Weblogic	100
504	Java	100
505	C++	100

Student_Subject

ROLLNO	SUB_ID
901	501
902	502
903	502
903	503
904	505

Examples

Q. Count University name wise College

```
select u_name,count(c_id) from University u INNER JOIN College c  
ON u.u_no=c.uno group by u_name
```

Q. Display University name of JSPM College

```
Select u_name,C_name From University u Inner Join College C  
ON u.u_no=c.uno Where c_name='JSPM'
```

Q. Display College names which come under Pune University

```
select c_name,u_name From University u Inner Join College C  
ON u.u_no=c.uno where u_name='Pune'
```

Q. Display College details which does not belongs to Any University

```
select * from College where uno IS NULL
```

Q. Find University name of BCA Department

```
select d.dept_name,c.uno,c.c_name, u.u_name From Department d  
Inner JOIN College c ON d.c_id=c.c_id Inner JOIN University u  
ON c.uno=u.u_no where d.dept_name='BCA'
```

Q. Display department names which come under Pune University

```
select u.u_name,d.dept_name From University u Inner Join College c  
ON u.u_no=c.uno Inner Join Department d ON c.c_id=d.c_id where u.u_name='Pune'
```

Q. Find University name, College Name, department name, Professor name of Yamini student

```
select u.u_name,c.c_name,d.dept_name,p.p_name,s.name From Student s
inner join Professor p ON s.p_no=p.p_no Inner JOIN Department d ON
p.dept_id=d.dept_id Inner Join College c ON d.c_id=c.c_id Inner JOIN
University u ON c.uno=u.u_no where s.name='Yamini'
```

Q. Find subject wise number of student

```
select s.sub_name,count(ss.rollno) From Subject s
Inner Join Student_subject ss ON
s.sub_id=ss.sub_id group by s.sub_name
```