

```
mysql> show tables;
```

Tables_in_lab6
faculty

```
1 row in set (0.03 sec)
```

```
mysql> select * from faculty;
```

faculty_id	faculty_name	department	subject
F001	Sadagopan	CS	DAA
F002	Jagadeesh	CS	DBMS
F003	Gurunathan	DS	Materials
F004	RPP	CS	DSA
F005	Rahul	EC	COA

```
5 rows in set (0.00 sec)
```

```
mysql> describe faculty;
```

Field	Type	Null	Key	Default	Extra
faculty_id	varchar(10)	NO	PRI	NULL	
faculty_name	varchar(25)	NO		NULL	
department	varchar(10)	NO		NULL	
subject	varchar(25)	NO		NULL	

```
4 rows in set (0.01 sec)
```

```
mysql> _
```

```
mysql> show tables;
```

Tables_in_lab6
building
faculty

2 rows in set (0.01 sec)

```
mysql> select * from building;
```

building_name	room_no	floor
Ashoka	30	1
Ashoka	140	2
Ashoka	202	3
Banyan	210	3
Banyan	30	1
Jasmine	30	1
Jasmine	415	5

7 rows in set (0.00 sec)

```
mysql> describe building;
```

Field	Type	Null	Key	Default	Extra
building_name	varchar(10)	NO		NULL	
room_no	int	NO		NULL	
floor	int	NO		NULL	

3 rows in set (0.01 sec)

```
mysql> _
```

```
mysql> show tables;
```

Tables_in_lab6
building
course
faculty

```
3 rows in set (0.01 sec)
```

```
mysql> select * from course;
```

department	subject	course_id
CS	DBMS	CS1002
CS	DAA	CS1003
DS	Materials	DS002
CS	DSA	CS003
EC	COA	EC001
ME2	Video Editing	EL006

```
6 rows in set (0.00 sec)
```

```
mysql> describe course;
```

Field	Type	Null	Key	Default	Extra
department	varchar(10)	NO		NULL	
subject	varchar(25)	NO		NULL	
course_id	varchar(10)	NO		NULL	

```
3 rows in set (0.02 sec)
```

```
mysql>
```

```
mysql> show tables;
```

Tables_in_lab6
building
course
faculty
student

```
4 rows in set (0.01 sec)
```

```
mysql> select * from student;
```

student_id	student_name	department	course_id	building_name	room_no
CS20B1005	Sasank	CS	CS1002	Banyan	30
CS20B1006	Sravanth	CS	CS1003	Ashoka	202
CS20B1075	Jitin	CS	CS003	Banyan	210
CS20B1109	Nischal	CS	CS1002	Ashoka	30
EC20B1044	Avinash	EC	EC001	Ashoka	140
ME201022	Lakshmi	ME2	EL006	Jasmine	30

```
6 rows in set (0.00 sec)
```

```
mysql> describe student;
```

Field	Type	Null	Key	Default	Extra
student_id	varchar(10)	NO	PRI	NULL	
student_name	varchar(25)	NO		NULL	
department	varchar(5)	NO		NULL	
course_id	varchar(10)	NO		NULL	
building_name	varchar(25)	YES		NULL	
room_no	int	NO		NULL	

```
6 rows in set (0.01 sec)
```

```
mysql> _
```

```
mysql> show tables;
```

Tables_in_lab6
building
course
faculty
iiitdm
student

```
5 rows in set (0.01 sec)
```

```
mysql> select * from iiitdm;
```

faculty_name	student_id	building_name
Jagadeesh	CS20B1109	Ashoka
Jagadeesh	CS20B1005	Banyan
Rahul	EC20B1044	Ashoka
Sadagopan	CS20B1006	Ashoka
RPP	CS20B1075	Banyan

```
5 rows in set (0.00 sec)
```

```
mysql> describe iiitdm;
```

Field	Type	Null	Key	Default	Extra
faculty_name	varchar(25)	NO		NULL	
student_id	varchar(10)	YES	MUL	NULL	
building_name	varchar(10)	NO		NULL	

```
3 rows in set (0.00 sec)
```

```
mysql>
```

MySQL 8.0 Command Line Client

```
mysql> select iiitdm.student_id from iiitdm inner join student on iiitdm.student_id=student.student_id where faculty_name='Jagadeesh' and room_no=30;
```

```
+-----+  
| student_id |
```

```
+-----+  
| CS20B1109 |
```

```
| CS20B1005 |
```

```
+-----+
```

```
2 rows in set (0.00 sec)
```

```
mysql>
```

MySQL 8.0 Command Line Client

```
mysql> select course_id from student where room_no=140 and building_name='Ashoka';
```

course_id
EC001

1 row in set (0.00 sec)

```
mysql> _
```

MySQL 8.0 Command Line Client

```
mysql> select faculty_name from faculty where faculty_name not in (select faculty_name from iiitdm where student_id='CS20B1109');
```

faculty_name
Sadagopan
Gurunathan
RPP
Rahul

4 rows in set (0.00 sec)

```
mysql>
```



```
mysql> select course_id from student where room_no in(select room_no from building where floor=3);
```

course_id
CS1003
CS003

```
2 rows in set (0.00 sec)
```

```
mysql> _
```