

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

Roll	Name	Address	Mobile_no	Gender
1	Sanyam	Delhi	8840909108	NULL
2	Raj	Delhi	8840905678	NULL
3	Sanyam	Delhi	8303889958	NULL
4	Harshit	Mumbai	8303889988	NULL
5	Karishma	Mumbai	8306789988	NULL
6	Priya	Bengaluru	7306789988	NULL
7	Rashi	Bengaluru	9456997688	NULL
8	Harshit	Bengaluru	9456997676	NULL
9	Harshit	Bengaluru	9406997676	NULL

```
9 rows in set (0.00 sec)
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```
mysql> select * from school;
```

Teacher_ID	Teacher_Name	Subject	Salary	Mobile_no
101	Sachin	Physics	50000	8382814688
102	Varun	Science	50000	8382814756
103	Mithlesh	Chemistry	40000	8382814753
104	Anjum	Computer Science	70000	8840909108
105	English	Jessie	60000	8840909765
106	Math	Senhil	80000	8303889958

```
6 rows in set (0.00 sec)
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```
mysql> Select * from student cross join school;
```

Roll	Name	Address	Mobile_no	Gender	Teacher_ID	Teacher_Name	Subject	Salary	Mobile_no
1	Sanyam	Delhi	8840909108	NULL	101	Sachin	Physics	50000	8382814688
1	Sanyam	Delhi	8840909108	NULL	102	Varun	Science	50000	8382814756
1	Sanyam	Delhi	8840909108	NULL	103	Mithlesh	Chemistry	40000	8382814753
1	Sanyam	Delhi	8840909108	NULL	104	Anjum	Computer Science	70000	8840909108
1	Sanyam	Delhi	8840909108	NULL	105	English	Jessie	60000	8840909765
1	Sanyam	Delhi	8840909108	NULL	106	Math	Senthil	80000	8303889958
2	Raj	Delhi	8840905678	NULL	101	Sachin	Physics	50000	8382814688
2	Raj	Delhi	8840905678	NULL	102	Varun	Science	50000	8382814756
2	Raj	Delhi	8840905678	NULL	103	Mithlesh	Chemistry	40000	8382814753
2	Raj	Delhi	8840905678	NULL	104	Anjum	Computer Science	70000	8840909108
2	Raj	Delhi	8840905678	NULL	105	English	Jessie	60000	8840909765
2	Raj	Delhi	8840905678	NULL	106	Math	Senthil	80000	8303889958
3	Sanyam	Delhi	8303889958	NULL	101	Sachin	Physics	50000	8382814688
3	Sanyam	Delhi	8303889958	NULL	102	Varun	Science	50000	8382814756
3	Sanyam	Delhi	8303889958	NULL	103	Mithlesh	Chemistry	40000	8382814753
3	Sanyam	Delhi	8303889958	NULL	104	Anjum	Computer Science	70000	8840909108
3	Sanyam	Delhi	8303889958	NULL	105	English	Jessie	60000	8840909765
3	Sanyam	Delhi	8303889958	NULL	106	Math	Senthil	80000	8303889958
4	Harshit	Mumbai	8303889988	NULL	101	Sachin	Physics	50000	8382814688
4	Harshit	Mumbai	8303889988	NULL	102	Varun	Science	50000	8382814756
4	Harshit	Mumbai	8303889988	NULL	103	Mithlesh	Chemistry	40000	8382814753
4	Harshit	Mumbai	8303889988	NULL	104	Anjum	Computer Science	70000	8840909108
4	Harshit	Mumbai	8303889988	NULL	105	English	Jessie	60000	8840909765
4	Harshit	Mumbai	8303889988	NULL	106	Math	Senthil	80000	8303889958
5	Karishma	Mumbai	8306789988	NULL	101	Sachin	Physics	50000	8382814688
5	Karishma	Mumbai	8306789988	NULL	102	Varun	Science	50000	8382814756
5	Karishma	Mumbai	8306789988	NULL	103	Mithlesh	Chemistry	40000	8382814753
5	Karishma	Mumbai	8306789988	NULL	104	Anjum	Computer Science	70000	8840909108
5	Karishma	Mumbai	8306789988	NULL	105	English	Jessie	60000	8840909765
5	Karishma	Mumbai	8306789988	NULL	106	Math	Senthil	80000	8303889958
6	Priya	Bengaluru	7306789988	NULL	101	Sachin	Physics	50000	8382814688
6	Priya	Bengaluru	7306789988	NULL	102	Varun	Science	50000	8382814756
6	Priya	Bengaluru	7306789988	NULL	103	Mithlesh	Chemistry	40000	8382814753
6	Priya	Bengaluru	7306789988	NULL	104	Anjum	Computer Science	70000	8840909108

5	Karishma	Mumbai	8306789988	NULL	105	English	Jessie	60000	8840909765
5	Karishma	Mumbai	8306789988	NULL	106	Math	Senthil	80000	8303889958
6	Priya	Bengaluru	7306789988	NULL	101	Sachin	Physics	50000	8382814688
6	Priya	Bengaluru	7306789988	NULL	102	Varun	Science	50000	8382814756
6	Priya	Bengaluru	7306789988	NULL	103	Mithlesh	Chemistry	40000	8382814753
6	Priya	Bengaluru	7306789988	NULL	104	Anjum	Computer Science	70000	8840909108
6	Priya	Bengaluru	7306789988	NULL	105	English	Jessie	60000	8840909765
6	Priya	Bengaluru	7306789988	NULL	106	Math	Senthil	80000	8303889958
7	Rashi	Bengaluru	9456997688	NULL	101	Sachin	Physics	50000	8382814688
7	Rashi	Bengaluru	9456997688	NULL	102	Varun	Science	50000	8382814756
7	Rashi	Bengaluru	9456997688	NULL	103	Mithlesh	Chemistry	40000	8382814753
7	Rashi	Bengaluru	9456997688	NULL	104	Anjum	Computer Science	70000	8840909108
7	Rashi	Bengaluru	9456997688	NULL	105	English	Jessie	60000	8840909765
7	Rashi	Bengaluru	9456997688	NULL	106	Math	Senthil	80000	8303889958
8	Harshit	Bengaluru	9456997676	NULL	101	Sachin	Physics	50000	8382814688
8	Harshit	Bengaluru	9456997676	NULL	102	Varun	Science	50000	8382814756
8	Harshit	Bengaluru	9456997676	NULL	103	Mithlesh	Chemistry	40000	8382814753
8	Harshit	Bengaluru	9456997676	NULL	104	Anjum	Computer Science	70000	8840909108
8	Harshit	Bengaluru	9456997676	NULL	105	English	Jessie	60000	8840909765
8	Harshit	Bengaluru	9456997676	NULL	106	Math	Senthil	80000	8303889958
9	Harshit	Bengaluru	9406997676	NULL	101	Sachin	Physics	50000	8382814688
9	Harshit	Bengaluru	9406997676	NULL	102	Varun	Science	50000	8382814756
9	Harshit	Bengaluru	9406997676	NULL	103	Mithlesh	Chemistry	40000	8382814753
9	Harshit	Bengaluru	9406997676	NULL	104	Anjum	Computer Science	70000	8840909108
9	Harshit	Bengaluru	9406997676	NULL	105	English	Jessie	60000	8840909765
9	Harshit	Bengaluru	9406997676	NULL	106	Math	Senthil	80000	8303889958

54 rows in set (0.00 sec)

```
mysql> Select student.name,school.teacher_id from student inner join school on student.mobile_no<>school.mobile_no;
```

name	teacher_id
Sanyam	101
Sanyam	102
Sanyam	103
Sanyam	105
Sanyam	106
Raj	101
Raj	102
Raj	103
Raj	104
Raj	105
Raj	106
Sanyam	101
Sanyam	102
Sanyam	103
Sanyam	104
Sanyam	105
Harshit	101
Harshit	102
Harshit	103
Harshit	104
Harshit	105
Harshit	106
Karishma	101
Karishma	102
Karishma	103
Karishma	104
Karishma	105
Karishma	106
Priya	101
Priya	102
Priya	103
Priya	104
Priya	105
Priya	106

Karishma	105
Karishma	106
Priya	101
Priya	102
Priya	103
Priya	104
Priya	105
Priya	106
Rashi	101
Rashi	102
Rashi	103
Rashi	104
Rashi	105
Rashi	106
Harshit	101
Harshit	102
Harshit	103
Harshit	104
Harshit	105
Harshit	106
Harshit	101
Harshit	102
Harshit	103
Harshit	104
Harshit	105
Harshit	106

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52 rows in set (0.01 sec)

```
mysql> Select student.name,school.teacher_id from student left join school on student.mobile_no=school.mobile_no;
```

name	teacher_id
Sanyam	104
Sanyam	106
Raj	NULL
Harshit	NULL
Karishma	NULL
Priya	NULL
Rashi	NULL
Harshit	NULL
Harshit	NULL

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

```
mysql> Select student.name,school.teacher_id from student right join school on student.mobile_no=school.mobile_no;
```

name	teacher_id
Sanyam	104
Sanyam	106
NULL	101
NULL	102
NULL	103
NULL	105

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