mysql> select \* from cour;

+-----------+--------------+-------------+--------+---------+--------+------------+

| course\_no | course\_desc | course\_type | sem\_no | hall\_no | fal\_no | coure\_type |

+-----------+--------------+-------------+--------+---------+--------+------------+

| 1 | COMPUTER\_SCI | M | 1 | 4 | 2001 | program |

| 2 | AI | M | 3 | 67 | 2002 | program |

| 3 | ENGLISH | M | 1 | 1 | 2005 | statis |

| 4 | ETHICS | E | 2 | 55 | 2004 | statis |

| 5 | DATA\_STRUCT | M | 6 | 44 | 2003 | program |

+-----------+--------------+-------------+--------+---------+--------+------------+

5 rows in set (0.00 sec)

mysql> select \* from cour where coure\_type in ('program');

+-----------+--------------+-------------+--------+---------+--------+------------+

| course\_no | course\_desc | course\_type | sem\_no | hall\_no | fal\_no | coure\_type |

+-----------+--------------+-------------+--------+---------+--------+------------+

| 1 | COMPUTER\_SCI | M | 1 | 4 | 2001 | program |

| 2 | AI | M | 3 | 67 | 2002 | program |

| 5 | DATA\_STRUCT | M | 6 | 44 | 2003 | program |

+-----------+--------------+-------------+--------+---------+--------+------------+

3 rows in set (0.02 sec)

mysql> select \* from cour where cour\_type in ('statis');

ERROR 1054 (42S22): Unknown column 'cour\_type' in 'where clause'

mysql> select \* from cour where coure\_type in ('statis');

+-----------+-------------+-------------+--------+---------+--------+------------+

| course\_no | course\_desc | course\_type | sem\_no | hall\_no | fal\_no | coure\_type |

+-----------+-------------+-------------+--------+---------+--------+------------+

| 3 | ENGLISH | M | 1 | 1 | 2005 | statis |

| 4 | ETHICS | E | 2 | 55 | 2004 | statis |

+-----------+-------------+-------------+--------+---------+--------+------------+

2 rows in set (0.00 sec)

mysql> use student;

Database changed

mysql> create table reg(course\_no varchar(4),rollno int,marks int);

Query OK, 0 rows affected (0.01 sec)

mysql> insert into reg values('c001',192011273,80);

Query OK, 1 row affected (0.01 sec)

mysql> insert into reg values('c001',192011001,25);

Query OK, 1 row affected (0.01 sec)

mysql> insert into reg values('c001',192011067,35);

Query OK, 1 row affected (0.02 sec)

mysql> insert into reg values('c002',192011197,75);

Query OK, 1 row affected (0.02 sec)

mysql> insert into reg values('c003',192011274,67);

Query OK, 1 row affected (0.02 sec)

mysql> select \* from reg;

+-----------+-----------+-------+

| course\_no | rollno | marks |

+-----------+-----------+-------+

| c001 | 192011273 | 80 |

| c001 | 192011001 | 25 |

| c001 | 192011067 | 35 |

| c002 | 192011197 | 75 |

| c003 | 192011274 | 67 |

+-----------+-----------+-------+

5 rows in set (0.00 sec)

mysql> select course\_no from reg where marks between 50 and 80;

+-----------+

| course\_no |

+-----------+

| c001 |

| c002 |

| c003 |

+-----------+

3 rows in set (0.01 sec)

mysql> create table reg(course\_no varchar(4),rollno int,marks int,sem\_no int);

Query OK, 0 rows affected (0.01 sec)

mysql> insert into reg values('c001',192011273,80,4);

Query OK, 1 row affected (0.00 sec)

mysql> insert into reg values('c001',192011001,25,1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into reg values('c001',192011067,35,2);

Query OK, 1 row affected (0.01 sec)

mysql> insert into reg values('c002',192011274,75,3);

Query OK, 1 row affected (0.02 sec)

mysql> insert into reg values('c003',192011197,67,5);

Query OK, 1 row affected (0.02 sec)

mysql> insert into reg values('c002',192011290,57,3);

Query OK, 1 row affected (0.02 sec)

mysql> insert into reg values('c002',192011291,89,9);

Query OK, 1 row affected (0.01 sec)

mysql> insert into reg values('c002',192011292,78,7);

Query OK, 1 row affected (0.00 sec)

mysql> insert into reg values('c021',192011293,68,1);

Query OK, 1 row affected (0.02 sec)

mysql> insert into reg values('c021',192011294,79,5);

Query OK, 1 row affected (0.02 sec)

mysql> insert into reg values('c021',192011295,46,5);

Query OK, 1 row affected (0.02 sec)

mysql> select \* from reg;

+-----------+-----------+-------+--------+

| course\_no | rollno | marks | sem\_no |

+-----------+-----------+-------+--------+

| c001 | 192011273 | 80 | 4 |

| c001 | 192011001 | 25 | 1 |

| c001 | 192011067 | 35 | 2 |

| c002 | 192011274 | 75 | 3 |

| c003 | 192011197 | 67 | 5 |

| c002 | 192011290 | 57 | 3 |

| c002 | 192011291 | 89 | 9 |

| c002 | 192011292 | 78 | 7 |

| c021 | 192011293 | 68 | 1 |

| c021 | 192011294 | 79 | 5 |

| c021 | 192011295 | 46 | 5 |

+-----------+-----------+-------+--------+

11 rows in set (0.00 sec)

mysql> select course\_no,avg(marks) from reg where course\_no='c002';

+-----------+------------+

| course\_no | avg(marks) |

+-----------+------------+

| c002 | 74.7500 |

+-----------+------------+

1 row in set (0.00 sec)

mysql> select course\_no,min(marks),max(marks) from reg where course\_no='c021';

+-----------+------------+------------+

| course\_no | min(marks) | max(marks) |

+-----------+------------+------------+

| c021 | 46 | 79 |

+-----------+------------+------------+

1 row in set (0.00 sec)

mysql> select course\_no,min(marks),max(marks),avg(marks) from reg where sem\_no='5';

+-----------+------------+------------+------------+

| course\_no | min(marks) | max(marks) | avg(marks) |

+-----------+------------+------------+------------+

| c003 | 46 | 79 | 64.0000 |

+-----------+------------+------------+------------+

1 row in set (0.02 sec)

mysql> select course\_no,min(marks),max(marks),avg(marks) from reg where course\_no='c001';

+-----------+------------+------------+------------+

| course\_no | min(marks) | max(marks) | avg(marks) |

+-----------+------------+------------+------------+

| c001 | 25 | 80 | 46.6667 |

+-----------+------------+------------+------------+

1 row in set (0.00 sec)

mysql> select course\_no,avg(marks) from reg where course\_no='c001';

+-----------+------------+

| course\_no | avg(marks) |

+-----------+------------+

| c001 | 46.6667 |

+-----------+------------+

1 row in set (0.00 sec)

mysql> select course\_no,avg(marks) from reg where course\_no='c002';

+-----------+------------+

| course\_no | avg(marks) |

+-----------+------------+

| c002 | 74.7500 |

+-----------+------------+

1 row in set (0.02 sec)

mysql> select course\_no,avg(marks) from reg where course\_no='c003';

+-----------+------------+

| course\_no | avg(marks) |

+-----------+------------+

| c003 | 67.0000 |

+-----------+------------+

1 row in set (0.00 sec)

mysql> select sum(marks) from reg;

+------------+

| sum(marks) |

+------------+

| 699 |

+------------+

1 row in set (0.00 sec)

mysql> select course\_no,count(course\_no) from reg where course\_no='c001';

+-----------+------------------+

| course\_no | count(course\_no) |

+-----------+------------------+

| c001 | 3 |

+-----------+------------------+

1 row in set (0.02 sec)

mysql> select course\_no,count(course\_no) from reg where course\_no='c002';

+-----------+------------------+

| course\_no | count(course\_no) |

+-----------+------------------+

| c002 | 4 |

+-----------+------------------+

1 row in set (0.00 sec)

mysql> select course\_no,count(course\_no) from reg where course\_no='c003';

+-----------+------------------+

| course\_no | count(course\_no) |

+-----------+------------------+

| c003 | 1 |

+-----------+------------------+

1 row in set (0.00 sec)

mysql> select count(course\_no) from reg;

+------------------+

| count(course\_no) |

+------------------+

| 11 |

+------------------+

1 row in set (0.00 sec)