

1. List the type of the courses "DBMS" and "ds"

Ans)

```
mysql> select course from course;
ERROR 1054 (42S22): Unknown column 'course' in 'field list'
mysql> select * from course;
+-----+-----+-----+-----+
| courseno | regno | coursedesc | scores |
+-----+-----+-----+-----+
| C001     | 191811306 | mathematics | 93 |
| C001     | 191811307 | mathematics | 80 |
| C002     | 191811306 | OOAD        | 75 |
| C002     | 191811307 | OOAD        | 85 |
| C003     | 191811306 | DBMS        | 91 |
| C003     | 191811307 | DBMS        | 93 |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

2. The instructor wants to know the CourseNos whose scores are in the range 50 to 80

Ans)

```
mysql> select courseno from course where scores between 50 and 80;
+-----+
| courseno |
+-----+
| C001     |
| C002     |
+-----+
2 rows in set (0.00 sec)
```

3. List the no of faculties in each department

Ans)

```
mysql> select max(scores),min(scores),avg(scores) from course;
+-----+-----+-----+
| max(scores) | min(scores) | avg(scores) |
+-----+-----+-----+
| 93          | 75          | 86.1667     |
+-----+-----+-----+
1 row in set (0.00 sec)
```

4. List the name of the courses and average mark of each course.

Ans)

```
mysql> select avg(scores) from course where courseno like 'C00%';
+-----+
| avg(scores) |
+-----+
|      68.2000 |
+-----+
```

5. Calculate the sum of all the scores.

Ans)

```
mysql> select sum(scores) from course;
+-----+
| sum(scores) |
+-----+
|          517 |
+-----+
1 row in set (0.00 sec)
```

6. How many students are registered for each course

Ans)

```
mysql> select coursedesc, count(coursetype) from course;
+-----+-----+
| coursedesc | count(coursetype) |
+-----+-----+
| mathematics |          5 |
+-----+-----+
1 row in set (0.00 sec)
```

7.Display the sum of salaries in each department.

Ans)

```
mysql> select courseno,coursedesc,count(regno) from course where regno like '191811%';
+-----+-----+-----+
| courseno | coursedesc | count(regno) |
+-----+-----+-----+
| C001      | mathematics | 6 |
+-----+-----+-----+
1 row in set (0.00 sec)
```