Q1) List all the Courses taught by the teacher - "PPC".

```
mysql> select coursename from teacher,teaches where
teacher.teachername="PPC" AND teacher.teacherid=teaches.teacherid;
+-------------------------+
| coursename              |
+-------------------------+
| DBMS                    |
| Artificial Intelligence |
+-------------------------+
2 rows in set (0.00 sec)
```

Q2) List all students registered in the courses taught by "PPC".

```
mysql> select name,course.coursename from
student,enrolls,course,teaches,teacher where
student.studentid=enrolls.studentid AND
enrolls.coursename=course.coursename AND
course.coursename=teaches.coursename AND teacher.teachername="PPC" AND
teacher.teacherid=teaches.teacherid;
+---------------------------+-------------------------+
| name                      | coursename              |
+---------------------------+-------------------------+
| Ragireddy Sri Charan Reddy | DBMS                    |
| Ragireddy Sri Charan Reddy | Artificial Intelligence |
| Gutha Sai Bharath Chandra  | Artificial Intelligence |
| Gutha Sai Bharath Chandra  | DBMS                    |
+---------------------------+-------------------------+
4 rows in set (0.00 sec)
```

Q3) List the timings of all courses in Class-Room "NC142".

```
mysql> select starttime,endtime,date from
timings,timetable,course,willbein,classroom where
timings.timeid=timetable.timeid AND
timetable.coursename=course.coursename AND
course.coursename=willbein.coursename AND
classroom.roomnumber=willbein.roomnumber AND
classroom.roomnumber="NC142";+-----------+----------+------------+
| starttime | endtime  | date       |
+-----------+----------+------------+
| 08:00:00  | 10:00:00 | 2017-01-22 |
| 10:00:00  | 12:00:00 | 2017-01-20 |
| 14:00:00  | 17:00:00 | 2017-01-25 |
+-----------+----------+------------+
3 rows in set (0.00 sec)
```

Q4) List the name of the students who received the highest marks in the courses taught by "PPC"

```
mysql> (select student.name,student.studentid from student,(select
marks.marksid,max(marks.marks),course.coursename from
marks,have,course,teaches,teacher where marks.marksid=have.marksid AND
have.coursename=course.coursename and
course.coursename=teaches.coursename and
teaches.teacherid=teacher.teacherid and teacher.teachername="PPC" group
```

```
by marks.marksid,course.coursename) as x where
x.marksid=student.studentid );
+---------------------------+-----------+
| name                      | studentid |
+---------------------------+-----------+
| Gutha Sai Bharath Chandra  | 14CS10020 |
| Ragireddy Sri Charan Reddy | 14CS10037 |
| Ragireddy Sri Charan Reddy | 14CS10037 |
+---------------------------+-----------+
3 rows in set (0.01 sec)
```

Q5) List the students who have received a grade of "EX" in the largest number of courses.

```
mysql> select name from student where studentid=(select gradeid as count
from gradecard where gradecard.grade="EX" group by gradeid order by count
desc limit 1);
+---------------------------+
| name                      |
+---------------------------+
| Ragireddy Sri Charan Reddy |
+---------------------------+
1 row in set (0.00 sec)
```