**Name**: Mishra Tejas Vishal

**Roll No**. : 25041

**Division** : A

**Batch**: B

**Subject** : DBMS

**Assignment No. 4**

**Execution of Queries**

1. Find the name of Instructor in computer department to have salary greater than 70000 ?

mysql> select iname from Instructor where dname = 'Computer' and salary > 70000;

Empty set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

2. Find the name of the instructor who are working in physics department ?

mysql> select iname from Instructor where dname = 'Physics';

+-------+

| iname |

+-------+

| EFG |

| UVW |

+-------+

2 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

3. Find the name of the department whose budget is greater than 500000 ?

mysql> select dname from Department\_33 where budget > 500000;

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

| dname |

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

| Biology |

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

1 row in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

4. find the name of the student studying in computer department ?

mysql> select sname from student where dname = 'Computer';

+--------+

| sname |

+--------+

| Rakesh |

| Tanvi |

+--------+

2 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

5. find the name of the student studying in music Department and got total credits more than 7 ?

mysql> select sname from student where dname = 'Music' and total\_credits > 7;

+---------+

| sname |

+---------+

| Aashish |

| Chetan |

+---------+

2 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

6. Find the capacity of room numbers ?

mysql> select capacity, room\_number from classroom;

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

| capacity | room\_number |

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

| 120 | 11 |

| 120 | 21 |

| 60 | 32 |

| 180 | 42 |

| 60 | 52 |

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

5 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

7. Find out titles along with Department name of biology Department ?

mysql> select course\_title, dname from course where dname = 'Biology';

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

| course\_title | dname |

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

| Intro to Bio | Biology |

| Genetics | Biology |

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

2 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

8. Find the titles of Music Department ?

mysql> select course\_title from course where dname = 'Music';

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

| course\_title |

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

| Music audio |

| Music video Promotio |

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

2 rows in set (0.03 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

9. Give the increment of Rs. 10000 to those instructors whose salary is less than 40000 ?

mysql> update Instructor set salary = salary + 10000 where salary < 40000;

Query OK, 0 rows affected (0.01 sec)

Rows matched: 0 Changed: 0 Warnings: 0

mysql> select \* from Instructor;

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

| ID | iname | salary | dname |

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

| 111 | ABC | 85000 | Computer |

| 112 | PQR | 110000 | Music |

| 113 | EFG | 90000 | Physics |

| 114 | XYZ | 70000 | History |

| 115 | LMN | 110000 | Music |

| 116 | UVW | 90000 | Physics |

| 117 | STU | 75000 | Biology |

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

7 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

10. Give the increment of Rs. 10000 to those instructor whose salary is less than 40000 else increment of 20000 ?

mysql> update Instructor set salary = case when salary < 40000 then salary + 10000 else salary + 20000 end;

Query OK, 7 rows affected (0.03 sec)

Rows matched: 7 Changed: 7 Warnings: 0

-----------------------------------------------------------------------------------------------------------------------------------------

11. Find names of instructor along with department name and building no. ?

mysql> select iname, Instructor.dname, building from Instructor, Department\_33;

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

| iname | dname | building |

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

| ABC | Computer | 5 |

| ABC | Computer | 1 |

| ABC | Computer | 4 |

| ABC | Computer | 2 |

| ABC | Computer | 3 |

| PQR | Music | 5 |

| PQR | Music | 1 |

| PQR | Music | 4 |

| PQR | Music | 2 |

| PQR | Music | 3 |

| EFG | Physics | 5 |

| EFG | Physics | 1 |

| EFG | Physics | 4 |

| EFG | Physics | 2 |

| EFG | Physics | 3 |

| XYZ | History | 5 |

| XYZ | History | 1 |

| XYZ | History | 4 |

| XYZ | History | 2 |

| XYZ | History | 3 |

| LMN | Music | 5 |

| LMN | Music | 1 |

| LMN | Music | 4 |

| LMN | Music | 2 |

| LMN | Music | 3 |

| UVW | Physics | 5 |

| UVW | Physics | 1 |

| UVW | Physics | 4 |

| UVW | Physics | 2 |

| UVW | Physics | 3 |

| STU | Biology | 5 |

| STU | Biology | 1 |

| STU | Biology | 4 |

| STU | Biology | 2 |

| STU | Biology | 3 |

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

35 rows in set (0.01 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

12. Find names of instructor & course id for instructor in computer department ?

mysql> select iname, course\_id from Instructor, course where Instructor.dname = 'Computer' and course.dname = 'Computer';

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

13. Find instructor who have taught some courses ?

mysql> select iname from Instructor natural join teaches, course;

+-------+

| iname |

+-------+

| STU |

| STU |

| EFG |

| ABC |

| LMN |

| STU |

| STU |

| EFG |

| ABC |

| LMN |

| STU |

| STU |

| EFG |

| ABC |

| LMN |

| STU |

| STU |

| EFG |

| ABC |

| LMN |

| STU |

| STU |

| EFG |

| ABC |

| LMN |

| STU |

| STU |

| EFG |

| ABC |

| LMN |

| STU |

| STU |

| EFG |

| ABC |

| LMN |

| STU |

| STU |

| EFG |

| ABC |

| LMN |

+-------+

40 rows in set (0.01 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

14. For all instructor in university who have taught some courses find name and course\_id of all courses they taught ?

mysql> select iname, course\_id from Instructor, course natural join teaches;

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

| iname | course\_id |

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

| ABC | Bio-1 |

| ABC | Bio-2 |

| ABC | Phy-2 |

| ABC | CS-2 |

| ABC | Mu-1 |

| PQR | Bio-1 |

| PQR | Bio-2 |

| PQR | Phy-2 |

| PQR | CS-2 |

| PQR | Mu-1 |

| EFG | Bio-1 |

| EFG | Bio-2 |

| EFG | Phy-2 |

| EFG | CS-2 |

| EFG | Mu-1 |

| XYZ | Bio-1 |

| XYZ | Bio-2 |

| XYZ | Phy-2 |

| XYZ | CS-2 |

| XYZ | Mu-1 |

| LMN | Bio-1 |

| LMN | Bio-2 |

| LMN | Phy-2 |

| LMN | CS-2 |

| LMN | Mu-1 |

| UVW | Bio-1 |

| UVW | Bio-2 |

| UVW | Phy-2 |

| UVW | CS-2 |

| UVW | Mu-1 |

| STU | Bio-1 |

| STU | Bio-2 |

| STU | Phy-2 |

| STU | CS-2 |

| STU | Mu-1 |

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

35 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

15. List all instructors along with title of courses that they teach ?

mysql> select Instructor.iname, course.title from Instructor, course natural join teaches;

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

| iname | course\_title |

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

| ABC | Intro to Bio |

| ABC | Genetics |

| ABC | Physics Principles |

| ABC | Robotics |

| ABC | Music audio |

| PQR | Intro to Bio |

| PQR | Genetics |

| PQR | Physics Principles |

| PQR | Robotics |

| PQR | Music audio |

| EFG | Intro to Bio |

| EFG | Genetics |

| EFG | Physics Principles |

| EFG | Robotics |

| EFG | Music audio |

| XYZ | Intro to Bio |

| XYZ | Genetics |

| XYZ | Physics Principles |

| XYZ | Robotics |

| XYZ | Music audio |

| LMN | Intro to Bio |

| LMN | Genetics |

| LMN | Physics Principles |

| LMN | Robotics |

| LMN | Music audio |

| UVW | Intro to Bio |

| UVW | Genetics |

| UVW | Physics Principles |

| UVW | Robotics |

| UVW | Music audio |

| STU | Intro to Bio |

| STU | Genetics |

| STU | Physics Principles |

| STU | Robotics |

| STU | Music audio |

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

35 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

16. Find names of all departments whose name include substring i

mysql> select dname from Department\_33 where dname like '%i%';

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

| dname |

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

| Biology |

| History |

| Music |

| Physics |

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

4 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

17. Find names of instructor whose name is exactly 3 characters ?

mysql> select iname from Instructor where iname like '\_\_\_';

+-------+

| iname |

+-------+

| ABC |

| PQR |

| EFG |

| XYZ |

| LMN |

| UVW |

| STU |

+-------+

7 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

18. Find titles along with dname where department must end with y ?

mysql> select Department\_33.dname , title from Department\_33, course where Department\_33.dname like '%y';

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

| dname | course\_title |

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

| Biology | Intro to Bio |

| History | Intro to Bio |

| Biology | Genetics |

| History | Genetics |

| Biology | Intro to CS |

| History | Intro to CS |

| Biology | Robotics |

| History | Robotics |

| Biology | World History |

| History | World History |

| Biology | Music audio |

| History | Music audio |

| Biology | Music video Promotio |

| History | Music video Promotio |

| Biology | Physics Principles |

| History | Physics Principles |

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

16 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

19. List all instructors in descending order ?

mysql> select iname from Instructor order by iname desc;

+-------+

| iname |

+-------+

| XYZ |

| UVW |

| STU |

| PQR |

| LMN |

| EFG |

| ABC |

+-------+

7 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

20. Find names of instructor with salary amount between 30000 and 50000 ?

mysql> select iname from Instructor where salary > 30000 and salary < 50000;

Empty set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

21. Display total salary of all the staff members from instructor ?

mysql> select sum(salary) from Instructor;

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

| sum(salary) |

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

| 770000 |

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

1 row in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

22. Display total salary of those staff members who are from Music department ?

mysql> select sum(salary) from Instructor where Instructor.dname = 'Music';

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

| sum(salary) |

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

| 260000 |

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

1 row in set (0.01 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

23. Write a query to find out the number of staff members who are from Physics department ?

mysql> select count(ID) from Instructor where Instructor.dname = 'Physics';

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

| count(ID) |

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

| 2 |

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

1 row in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

24. Write a query to display average salary of all staff members ?

mysql> select avg(salary) from Instructor;

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

| avg(salary) |

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

| 110000 |

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

1 row in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

25. Write a query to display minimum salary paid to the staff members ?

mysql> select min(salary) from Instructor;

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

| min(salary) |

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

| 90000 |

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

1 row in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

26 Write a query to display maximum salary paid to the staff members.

mysql> select max(salary) from Instructor;

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

| max(salary) |

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

| 130000 |

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

1 row in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

27. Write a query to display minimum and maximum number of credits given to a student in each department ?

mysql> select student.dname, min(total\_credits), max(total\_credits) from student group by dname;

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

| dname | min(total\_credits) | max(total\_credits) |

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

| Biology | 7 | 7 |

| Computer | 6 | 9 |

| History | 9 | 9 |

| Music | 8 | 9 |

| Physics | 9 | 9 |

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

5 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

28. Display the names of instructors who do not have salary in between 50000 and 68000 ?

mysql> select iname from Instructor where salary < 50000 or salary > 68000;

+-------+

| iname |

+-------+

| ABC |

| PQR |

| EFG |

| XYZ |

| LMN |

| UVW |

| STU |

+-------+

7 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

29. Find out the set of all courses taught either in sem I or sem II or both for TY ?

mysql> (select course\_id, semester, year from section where semester = 'I') UNION (select course\_id, semester, year from section where semester = 'II') UNION(select course\_id, semester, year from section where year = 'TY');

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

| course\_id | semester | year |

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

| Bio-2 | I | FY |

| His-1 | I | FY |

| Bio-1 | I | FY |

| CS-1 | II | SY |

| Mu-1 | II | TY |

| Mu-2 | II | TY |

| Phy-2 | II | FY |

| CS-2 | II | SY |

| Bio-1 | II | TY |

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

9 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

30. Find average salary in each department.

mysql> select Instructor.dname, avg(salary) from Instructor group by dname;

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

| dname | avg(salary) |

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

| Biology | 95000 |

| Computer | 105000 |

| History | 90000 |

| Music | 130000 |

| Physics | 110000 |

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

5 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

31. Find average salary in each department where average salary of all instructors is more than 40000;

mysql> select Instructor.Dname, avg(salary) from Instructor where salary > 40000 group by Instructor.Dname;

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

| Dname | avg(salary) |

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

| Biology | 95000 |

| Computer | 105000 |

| History | 90000 |

| Music | 130000 |

| Physics | 110000 |

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

5 rows in set (0.01 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

32. Find number of instructors with department name in each department ?

mysql> select Instructor.Dname, count(ID) from Instructor group by Dname;

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

| Dname | count(ID) |

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

| Biology | 1 |

| Computer | 1 |

| History | 1 |

| Music | 2 |

| Physics | 2 |

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

5 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

33. Find out department name with average salary where average salary is not in between 10000 and 100000 ?

mysql> select Instructor.Dname, avg(salary) from Instructor where salary < 10000 and salary > 100000 group by Instructor.Dname;

Empty set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

34. Find out the courses taught both in sem 1 of FY and sem II of TY.

mysql> select course\_id, semester, year from section where semester = 'I' and year = 'FY' and course\_id IN (select course\_id from section where semester = 'II' and year = 'TY');

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

| course\_id | semester | year |

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

| Bio-1 | I | FY |

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

1 row in set (0.01 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

35. Find out the set of courses taught in sem 1 of FY but not in sem II of TY ?

mysql> select course\_id, semester, year from section where semester = 'I' and year = 'FY' and course\_id not in (select course\_id from section where semester = 'II' and year = 'TY');

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

| course\_id | semester | year |

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

| Bio-2 | I | FY |

| His-1 | I | FY |

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

2 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

36. Find names of all the instructors together with course id of all courses they teach ?

mysql> select Instructor.iname, teaches.course\_id from Instructor, teaches where Instructor.ID = teaches.ID;

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

| iname | course\_id |

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

| STU | Bio-1 |

| STU | Bio-2 |

| EFG | Phy-2 |

| ABC | CS-2 |

| LMN | Mu-1 |

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

5 rows in set (0.01 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

37. List the name of instructors along with the title of courses they teach ?

mysql> select Instructor.iname, course.title from Instructor, course, teaches where Instructor.ID = teaches.ID and teaches.course\_id = course.course\_id;

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

| iname | title |

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

| STU | Intro to Bio |

| STU | Genetics |

| EFG | Physics Principles |

| ABC | Robotics |

| LMN | Music audio |

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

5 rows in set (0.00 sec)

mysql> select iname, title from Instructor natural join teaches natural join course;

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

| iname | title |

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

| STU | Intro to Bio |

| STU | Genetics |

| EFG | Physics Principles |

| ABC | Robotics |

| LMN | Music audio |

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

5 rows in set (0.00 sec)

41. Display names of all students in uppercase.

mysql> select UPPER(name) from student;

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

| UPPER(name) |

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

| AASHISH |

| RAKESH |

| CHETAN |

| MAYURI |

| PRIYA |

| TANVI |

| ANUSHKA |

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

7 rows in set (0.00 sec)

mysql> select UPPER(name) as NAME from student;

+---------+

| NAME |

+---------+

| AASHISH |

| RAKESH |

| CHETAN |

| MAYURI |

| PRIYA |

| TANVI |

| ANUSHKA |

+---------+

7 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

42. Display names of all students in lowercase.

mysql> select lower(iname) as INS\_NAME from Instructor;

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

| INS\_NAME |

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

| abc |

| pqr |

| efg |

| xyz |

| lmn |

| uvw |

| stu |

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

7 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

43. Find out the length of the titles of all the courses.

mysql> select title, length(title) as LENGTH from course;

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

| title | LENGTH |

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

| Intro to Bio | 12 |

| Genetics | 8 |

| Intro to CS | 11 |

| Robotics | 8 |

| World History | 13 |

| Music audio | 11 |

| Music video Promotio | 20 |

| Physics Principles | 18 |

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

8 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

44. Perform left padding on student table for student with sid as $5 ?

mysql> select lpad(name, 15, "5$") from student;

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

| lpad(name, 15, "5$") |

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

| 5$5$5$5$Aashish |

| 5$5$5$5$5Rakesh |

| 5$5$5$5$5Chetan |

| 5$5$5$5$5Mayuri |

| 5$5$5$5$5$Priya |

| 5$5$5$5$5$Tanvi |

| 5$5$5$5$Anushka |

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

7 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

45. Perform right padding on student table for student with sid as S6 ?

mysql> select rpad(sid, 10, '\*') from student where sid = 'S6';

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

| rpad(sid, 10, '\*') |

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

| S6\*\*\*\*\*\*\*\* |

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

1 row in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

46. Use substring operation for department names ?

mysql> select substring(Dname, 1, 3) from Department;

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

| substring(Dname, 1, 3) |

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

| Bio |

| Com |

| His |

| Mus |

| Phy |

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

5 rows in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

47. Replace any word in the title column of the course table ?

mysql> select REPLACE(title, 'tics', 'rics') from course;

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

| REPLACE(title, 'tics', 'rics') |

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

| Intro to Bio |

| Generics |

| Intro to CS |

| Roborics |

| World History |

| Music audio |

| Music video Promotio |

| Physics Principles |

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

8 rows in set (0.00 sec)

48. Display the current date and time

mysql> Select CURRENT\_TIMESTAMP AS "current";

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

| current |

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

| 2022-04-08 10:47:58 |

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

1 row in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

49. Find total No. of students who have taken course taught by Instructor 117 ?

mysql> select count(sid) from takes, teaches where teaches.course\_id = takes.course\_id and teaches.ID = 117;

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

| count(sid) |

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

| 2 |

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

1 row in set (0.00 sec)

-----------------------------------------------------------------------------------------------------------------------------------------

50. Find the name of Instructor who have taught course to student s5 ?

-----------------------------------------------------------------------------------------------------------------------------------------

51. find out name of Instructor whose names are neither ABC nor LMN ?

mysql> select iname from Instructor where iname != 'ABC' and iname != 'LMN';

+-------+

| iname |

+-------+

| PQR |

| EFG |

| XYZ |

| UVW |

| STU |

+-------+

5 rows in set (0.00 sec)

Additional Queries

mysql> select avg(salary) from instructor;

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

| avg(salary) |

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

| 88500.0000 |

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

1 row in set (0.00 sec)

mysql> select min(salary) from instructor;

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

| min(salary) |

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

| 70000 |

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

1 row in set (0.00 sec)

mysql> select max(salary) from instructor;

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

| max(salary) |

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

| 110000 |

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

1 row in set (0.00 sec)

mysql> select \* from instructor where dname = 'physics';

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

| ID | salary | dname | iname |

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

| 113 | 90000 | PHYSICS | EFG |

| 116 | 90000 | PHYSICS | UVW |

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

2 rows in set (0.02 sec)

mysql> select sum(salary) from instructor where dname='music';

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

| sum(salary) |

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

| 220000 |

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

1 row in set (0.00 sec)

mysql> select sum(salary) from instructor where dname='computer';

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

| sum(salary) |

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

| 340000 |

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

1 row in set (0.00 sec)

mysql> select ID,iname,dname from instructor order by ID desc;

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

| ID | iname | dname |

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

| 6541 | AcdfD | COMPUTER |

| 671 | ASD | COMPUTER |

| 651 | ESAD | COMPUTER |

| 117 | STU | BIOLOGY |

| 116 | UVW | PHYSICS |

| 115 | LMN | MUSIC |

| 114 | XYZ | HISTORY |

| 113 | EFG | PHYSICS |

| 112 | PQR | MUSIC |

| 111 | ABC | COMPUTER |

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

10 rows in set (0.00 sec)

mysql> select avg(salary) from instructor where dname='physics' and salary>40000;

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

| avg(salary) |

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

| 90000.0000 |

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

1 row in set (0.00 sec)

mysql> select sum(salary) from instructor where dname='physics' and salary>40000;

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

| sum(salary) |

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

| 180000 |

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

1 row in set (0.00 sec)

mysql> select instructor.iname,course.course\_id from instructor,course where course.dname='computer';

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

| iname | course\_id |

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

| ABC | CS-1 |

| ABC | CS-2 |

| PQR | CS-1 |

| PQR | CS-2 |

| EFG | CS-1 |

| EFG | CS-2 |

| XYZ | CS-1 |

| XYZ | CS-2 |

| LMN | CS-1 |

| LMN | CS-2 |

| UVW | CS-1 |

| UVW | CS-2 |

| STU | CS-1 |

| STU | CS-2 |

| ESAD | CS-1 |

| ESAD | CS-2 |

| ASD | CS-1 |

| ASD | CS-2 |

| AcdfD | CS-1 |

| AcdfD | CS-2 |

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

20 rows in set (0.00 sec)

mysql> select \* from course;

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

| course\_id | course\_title | course\_credit | dname |

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

| Bio-1 | Intro Bio | 3 | Biology |

| Bio-2 | Genetics | 4 | Biology |

| CS-1 | Intro Cs | 3 | Computer |

| CS-2 | Robotics | 4 | Computer |

| HIS-1 | World His. | 4 | History |

| Mu-1 | Music audo | 3 | Music |

| Mu-2 | Music vid. | 4 | Music |

| PHY-2 | Physic pri | 4 | Physics |

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

8 rows in set (0.00 sec)

mysql> select dname,iname,salary from instructor where salary not between 10000 and 100000;

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

| dname | iname | salary |

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

| MUSIC | PQR | 110000 |

| MUSIC | LMN | 110000 |

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

2 rows in set (0.00 sec)