CSL 3050 : Database Systems

Lab 11 and 12

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Part 1

Create a table that contains 4 main sections i.e., Academics, Office of Academics, Faculty, Student, Subjects floating in different-different department.

- 1) LOAD DATA INFILE `academics.csv` INTO TABLE `Academics` FIELDS TERMINATED BY `,` ENCLOSED BY `\"` LINES TERMINATED BY `\n` IGNORE 1 ROWS;
- 2. Select faculty_name,department_name from faculty where associated_with_office_of_academics='yes'

3. SELECT course_name, faculty_taking FROM `subjects` group by average_marks_of_batch desc limit 0,3;

4. SELECT student_name FROM `student group by marks_in_course desc limit 0,5;

5. SELECT student_name FROM `student` WHERE department_name = 'electrical' and (courses_taken = 'cs_c1' or courses_taken = 'cs_c2' or courses_taken = 'cs_c3');

```
MariaOB [iit jodhpur]> SELECT student_name FROM `studentt` WHERE department_name = 'electrical' and (courses_taken = 'cs_c1' or courses_taken = 'cs_c2' or courses_taken = 'cs_c3');
Empty set (0.001 sec)
```

Here the query is giving the output to be the NULL set due to the data values set in such a way that there are no cases of faculties teaching M.Tech + B.Tech at same time.

6. select count(*) from student where dept_name='Electrical' and subject_code in (select_subject_code from course where dept_name='CSE');

Part 2

Queries:

student.student_name})

- 5. db.student.find({department_name: "electrical", courses_taken: {\$in: ["cs_c1", "cs_c2", "cs_c3"]}}, {student_name: 1})
- 6. db.students.find({"department": "Electrical", "cse_subjects": {\$gt: 0}}).count()