



EXERCISE 2: SQL SELECT QUERIES & AGGREGATE FUNCTIONS

Faculty Name: Dr. Balasundaram A

Slot: L26+L27

Class Number: CH2024250103187

Date: 19/07/2024

Due Date for Submission: 31/07/2024

ANSWER ALL QUESTIONS

- Create the following tables with suitable constraints:
 - STUDENT (REG_NO, NAME, GENDER, AGE, DID, SEMESTER). Make REG_NO as the primary key and DID as foreign key to DEPARTMENT table. NAME cannot be null.
 - DEPARTMENT (DEPT_ID, DEPT_NAME, STUDENT_CNT). Make DEPT_ID as the primary key and DEPT_NAME cannot be null.
- Insert suitable records into the STUDENT & DEPARTMENT tables.
- Retrieve all the details of department table.
- Fetch the department id's of all departments that exists in your college.
- Fetch the department id and department name of all departments.
- Retrieve the registration number and names of students belonging to DEPTID 1003.
- Retrieve the registration number and names of female students belonging to DID 1002.
- Find the number of male students belonging to DID 1003.
- Retrieve the registration number and names of students whose age is > 19.
- List the names of students whose names start with letter 'A'.
- List the names of students whose names end with letter 'a'.
- List the names of students whose names contain the letter 'm'.
- List the names of students whose names contain the letter 'm' but not at the start or at the end of their names.
- List the registration numbers and names of students belonging to DIDs 1002 and 1003.
- What is the maximum count of students in a department?
- What is the minimum count of students in a department?
- What is the average student count per department in your college?
- List the students who study 3rd year in your college using Between.
- List the different departments which have students.

20. Display the count of students enrolled in CSE department;
21. Display the contents of DEPARTMENT table in ascending order of Students count.
22. Display the contents of DEPARTMENT table in descending order of Students count.

NOTE: While creating any new table suffix your registration number along with it.

Eg: STUDENT_21BIA1234. DEPARTMENT_21BIA1234