  
College of Engineering and Computer Science

***CSE 581 – Introduction to Database Management Systems***

***Project– 2***

***Implementing the DB Design in SQL for a University Database***

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**This Project is done in ‘CSE 581 Projects’ under NetID ‘riyaga.’**

***DESCRIPTION OF DESIGN:***

The university database, named "riyaga," is a comprehensive relational database designed to manage various aspects of a university's administrative and academic operations. This database serves as the central repository for storing information about students, faculty, courses, departments, and campus facilities. It is intended to support the efficient management of university resources and enhance decision-making processes.

***Key Tables and Entities:***

College: Stores information about different colleges within the university, including their names and unique identifiers.

MajorMinor: Contains data related to areas of study offered by the university, linking them to specific colleges.

StudentType: Records various student types (e.g., undergraduate, graduate) and their identifiers.

StudentStatus: Stores student status information (e.g., enrolled, withdrawn).

PersonInfo: Manages personal information for students, faculty, and staff, including names, contact details, and demographics.

StudentInfo: Tracks student-specific details such as student type, status, and graduate status.

EmployeeInfo: Stores data about university employees, including annual salaries.

Department: Manages information about academic departments within the university.

CourseCatalogue: Contains details about courses offered, including course codes, titles, descriptions, and credit hours.

CourseSchedule: Stores course scheduling information, including class sections, locations, and associated semesters.

ClassRoom: Records information about campus classrooms, including building locations, capacities, and equipment availability.

SemesterInfo: Manages academic semester information, including start and end dates.

***MODIFICATIONS:***

There are no modifications in the DB Design.

***SELECT STATEMENTS :***

***-- Select all rows from the College table***

***SELECT \* FROM riyaga.College;***

***-- Select all rows from the MajorMinor table***

***SELECT \* FROM riyaga.MajorMinor;***

***-- Select all rows from the StudentType table***

***SELECT \* FROM riyaga.StudentType;***

***-- Select all rows from the StudentStatus table***

***SELECT \* FROM riyaga.StudentStatus;***

***-- Select all rows from the State table***

***SELECT \* FROM riyaga.State;***

***-- Select all rows from the Country table***

***SELECT \* FROM riyaga.Country;***

***-- Select all rows from the HomeAddress table***

***SELECT \* FROM riyaga.HomeAddress;***

***-- Select all rows from the RaceEthnicity table***

***SELECT \* FROM riyaga.RaceEthnicity;***

***-- Select all rows from the Gender table***

***SELECT \* FROM riyaga.Gender;***

***-- Select all rows from the PersonInfo table***

***SELECT \* FROM riyaga.PersonInfo;***

***-- Select all rows from the StudentInfo table***

***SELECT \* FROM riyaga.StudentInfo;***

***-- Select all rows from the StudentAreaOfStudy table***

***SELECT \* FROM riyaga.StudentAreaOfStudy;***

***-- Select all rows from the BenefitType table***

***SELECT \* FROM riyaga.BenefitType;***

***-- Select all rows from the JobTypeDetail table***

***SELECT \* FROM riyaga.JobTypeDetail;***

***-- Select all rows from the BenefitCoverage table***

***SELECT \* FROM riyaga.BenefitCoverage;***

***-- Select all rows from the EmployeeInfo table***

***SELECT \* FROM riyaga.EmployeeInfo;***

***-- Select all rows from the EmployeeBenefits table***

***SELECT \* FROM riyaga.EmployeeBenefits;***

***-- Select all rows from the JobInfo table***

***SELECT \* FROM riyaga.JobInfo;***

***-- Select all rows from the EmployeeJobs table***

***SELECT \* FROM riyaga.EmployeeJobs;***

***-- Select all rows from the Department table***

***SELECT \* FROM riyaga.Department;***

***-- Select all rows from the CourseSubject table***

***SELECT \* FROM riyaga.CourseSubject;***

***-- Select all rows from the CourseLevel table***

***SELECT \* FROM riyaga.CourseLevel;***

***-- Select all rows from the CourseCatalogue table***

***SELECT \* FROM riyaga.CourseCatalogue;***

***-- Select all rows from the Prerequisites table***

***SELECT \* FROM riyaga.Prerequisites;***

***-- Select all rows from the SemesterText table***

***SELECT \* FROM riyaga.SemesterText;***

***-- Select all rows from the SemesterInfo table***

***SELECT \* FROM riyaga.SemesterInfo;***

***-- Select all rows from the Buildings table***

***SELECT \* FROM riyaga.Buildings;***

***-- Select all rows from the ProjectorInfo table***

***SELECT \* FROM riyaga.ProjectorInfo;***

***-- Select all rows from the ClassRoom table***

***SELECT \* FROM riyaga.ClassRoom;***

***-- Select all rows from the CourseSchedule table***

***SELECT \* FROM riyaga.CourseSchedule;***

***-- Select all rows from the CourseDailySchedule table***

***SELECT \* FROM riyaga.CourseDailySchedule;***

***-- Select all rows from the EnrollmentStatus table***

***SELECT \* FROM riyaga.EnrollmentStatus;***

***-- Select all rows from the EmployeeAndCourse table***

***SELECT \* FROM riyaga.EmployeeAndCourse;***

***-- Select all rows from the EnrollCourses table***

***SELECT \* FROM riyaga.EnrollCourses;***