**Stored Procedures:**

* CreateExam\_Proc: Procedure to create exams and store them in the 'exam' table.
* AddQuestions\_Proc: Procedure to add questions to exams and store them in the 'examquestion' table.
* AddStudentsToExam\_Proc: Procedure to add students to exams and store the information in the 'studentexam' table.
* StoreStudentAnswers\_Proc: Procedure to store student answers in the 'studentexam' table.
* UpdateResults\_Proc: Procedure to update and store student results in the 'studentexam' table.
* OrderByStd\_Proc: Procedure to order student data by a specific column in the 'student' table.
* InstructorDataOrderedBy\_Proc: Procedure to order instructor data by a specific column.
* ManagerDataOrderedBy\_Proc: Procedure to order manager data by a specific column.
* CrsStdInstInfoByCourseId\_Proc: Procedure to order 'course\_student\_instructor' by course ID.
* UpdateYearOnIntakeInsert\_Proc: Procedure to update the year of intake.
* ShowDataByYear\_Proc: Procedure to retrieve and display data by year.
* GetExamsByYearCourseInstructor\_Proc: Procedure to get exams by year, course ID, and instructor ID.
* CreateUserLogin\_Proc: Procedure to create user accounts.

**Functions:**

* InstructorSearchByPattern\_FN: Function to search instructors by pattern.
* StudentSearchByPattern\_FN: Function to search students by pattern.
* SearchByPatternStdTable\_FN: Function to search and display all data from the student table based on a pattern.
* ManagerSearchByPattern\_FN: Function to search and display needed data based on a pattern.
* StdCourseInfoByStudentID\_FN: Function to get student results by ID.

**Views:**

* StudentView: View to display all data in the student table.
* CourseView: View to display all data in the course table.
* StudentCourseView: View to display students with their respective courses.
* InstructorCourseView: View to display instructors with their respective courses.
* ExamInstructorView: View to display all exam data along with the instructors who created them.
* ClassDetailsView: View to display intake, course, and branch details.
* StudentExamView: View to display exam data, questions, student names, and their degrees.

**Indexes:**

* stud\_index\_byname: Index to improve the speed of data retrieval in the student table by name.
* instructor\_index\_byname: Index to improve the speed of data retrieval in the instructor table by name.
* course\_index\_byname: Index to improve the speed of data retrieval in the course table by name.
* exam\_index\_bytype: Index to improve the speed of data retrieval in the exam table by type.
* question\_index\_bytype: Index to improve the speed of data retrieval in the question table by type.
* examStudent\_index\_byresult: Index to improve the speed of data retrieval in the studentexam table by result.

**Triggers:**

* Trg\_Exam: Trigger to show a message when an exam is created successfully.
* Trg\_UpdateStudentAnswer: Trigger to show a message when answers are added successfully.
* Trg\_AddStudentToExamFromInstructor: Trigger to show a message when students are added successfully.
* Trg\_MarkExam: Trigger to show a message when an exam is marked successfully.
* Trg\_ExamQuestion\_inserted: Trigger to show a message when the inserting process is successful.
* Trg\_UpdateFinalResult: Trigger to insert "Pass" or "Corrective" in the 'FinalResult' column.