**Procedures:**

1. **PROCEDURE DROPSTUDENTENROLLMENT** :

To drop a student from a class (deleted a tuple from the enrollments table). The B# of the student and the classid of the class are provided as parameters.

1. **PROCEDURE deleteStudent :**

To delete a student from the students table based on a given B#. Handled all exceptions

1. **PROCEDURE list\_classstudents:**

**To** list the classid and course title of the class as well as all the students for a given class .

1. **PROCEDURE enroll\_student :**

To enroll a student into a class. The B# of the student and the classid of the class are provided as parameters. Handled exceptions.

1. **ShowStudentClasses :**

For a given student (with B# provided as a parameter), can list every class the student has taken

1. **GET\_DEPENDENTCOURSES :**

For a given course (with dept\_code and course# as parameters), can return all courses that need this course as a prerequisite

**Functions :**

1. function get\_students 🡪

Show data from Students table

1. function get\_prerequisites 🡪

Show data from Prerequisites table

1. function get\_logs 🡪

Show data from logs table

1. function get\_grades 🡪

Show data from grades table

1. function get\_enrollments 🡪

Show data from enrollments table

1. function get\_courses 🡪

Show data from courses table

1. function get\_courseCredit 🡪

Show data from courseCredit table

1. function get\_classes 🡪

Show data from classes table

**Triggers :**

1. **TRIG\_DELETE\_STUDENTS\_LOGS 🡪**

Trigger to add entry of deletion of student in to logs table after deletion.

1. **TRIG\_ADD\_STUDENTS\_LOGS 🡪**

Trigger to add entry of addition of new student in to logs table .

1. **TRIG\_B\_DELETE\_STUDENTS\_LOGS 🡪**

Trigger to delete enrollment of student before deleting student from record.

1. **TRIG\_DELETE\_ENROLLMENTS\_LOGS 🡪**

Trigger to add record in logs table after deletion of enrollment plus update the class size**.**

1. **TRIG\_INSERT\_ENROLLMENTS\_LOGS 🡪**

Trigger to add record in logs table after addition of enrollment plus update the class size.

**Sequences :**

1. **LOGS\_SEQ - >** Sequence to generate the values for logid automatically when new log records are inserted into the logs table. sequence started with 1000 and incremented by 1.