**Question table stored procedures**

**selectQuestion** @ID int = NULL

* Take the question id and return all data of this question if present

**insertQuestion**

(

@id INTEGER = NULL,

[@Question VARCHAR(255) = NULL],

[@Choices VARCHAR(255) = NULL],

[@Answer VARCHAR(1) = NULL],

[@type VARCHAR(32) = NULL],

[@Difficulity INTEGER = NULL],

[@Crs\_Id INTEGER = NULL]

)

* Used to Insert question to the Question table
* Take arguments @id [question id]
* @Question [question text]
* @Choices [question choices]
* @Answer [the correct answer for the question]
* @type [the type of the question if it is mcq or true and false],
* @Difficulity [the hardness of the question], @Crs\_Id [the course id that this exam is for]
* The @id must be unique and the @Crs\_Id must be present in the courses table
* may give only the @id and the rest will be inserted as null

**UpdateQuestion**

(

@id INTEGER = NULL,

[@Question VARCHAR(255) = NULL],

[@Choices VARCHAR(255) = NULL],

[@Answer VARCHAR(1) = NULL],

[@type VARCHAR(32) = NULL],

[@Difficulity INTEGER = NULL],

[@Crs\_Id INTEGER = NULL]

)

* used to update question inside the question table by the question id
* Take arguments @id [question id]
* @Question [question text]
* @Choices [question choices]
* @Answer [the correct answer for the question]
* @type [the type of the question if it is mcq or true and false],
* @Difficulity [the hardness of the question], @Crs\_Id [the course id that this exam is for]
* The @id must be unique and the @Crs\_Id must be present in the courses table
* Can update one or more than one column

**deleteQuestion** @id int = NULL

* take the question id and delete the question from the Question table if it is present

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**CreateExam**

(

@eID int = NULL,

@eName varchar(20) = NULL,

[@duration varchar(20) = NULL],

@cID int = NULL,

@examQuestionsCount int = NULL

)

* used to generate an exam by choosing random questions from the question table
* takes @eID as the question id
* @eName as the exam name
* @duration as the duration of the exam
* @cID as the course id which this exam is for
* @examQuestionCount as the desired number of questions in this exam
* The @eID must be unique
* The @cID must be present in the Course table
* The @examQuestionsCount must be equal to or smaller than the number of stored questions for this course
* Must provide all the fields except for the @duration

getStudentsByDep @dID int

* Take the Department ID as @dID and returns all students information in this department.
* This procedure is used to create a report

stdGrades @sID int

* Take the student ID as @sID and returns the grades of this student in all courses.