

## Exercise 5: Students and Classes

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A student can have many marks/exams but that mark is assigned to only one student.

Mark		
PK	exam_id	serial
	exam_name	charvar(32)
	total_marks	integer

### Students and Marks Explanation

Each student is assigned a number(PK), stores their class id(FK), which corresponds to a class table with it's own data. The table lists their exam name(s)(FK), which is the PK in the Mark table and stores their total marks in that table. The student table also has data of their name, email and address.

Students		
PK	student_num	serial
FK	class_id	serial
FK	exam_id	serial
	first_name	charvar(32)
	last_name	charvar(32)
	stud_email	charvar(50)
	address	charvar(50)

A student can have many or one classes and a class can have many students.

Class		
PK	class_id	serial
FK	course_id	serial
	class_title	charvar(32)
	description	charvar(100)

A course can have many or one classes but a class can have only one course.

Course		
PK	course_id	serial
	course_title	charvar(32)
	description	charvar(100)

### Course and Class Explanation

In the class table, a class id(PK) is assigned for each class, class title and a description with more info about the class. There's also a course id(FK) there for what course is taught in that class, which corresponds to it's own table. The course table has info about the course, it's course title and a description about the course.