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Asynchronous Programming

Exercises

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My U.S. Scores

- Develop a JS program to convert the scores of your exams into the U.S. system
- Using the functional approach, you should manage a list of objects that includes the following information about the exams:
 - Course Code, Course Name, CFU, Score (a number between 18 and 30)
- Create a new list with the same information but the scores according the U.S. system, where:
 - 27+ → A, 24-26 → B, 19-23 → C, 18 → D
- Then, compute the weighted average, considering A as 4.0 and D as 1.0
- Print all your scores (in both formats), and the computed average

Courses and Scores, in a Database

- Update the "*Courses and Scores*" exercise to use a database.
- Manage a list of objects and related DB tables that include information about the exams:
 - Course Code, Course name, CFU
 - Attained score (number between 18 and 30, plus a Boolean for the *laude*)
 - Date
- The list of **Exam** objects, named **ExamList**, will have the following methods, operating on the DB, **which return Promises**:
 - →
 - `add(exam)` // pass a fully-constructed Exam object
 - `getAll()` // returns *(a Promise that resolves to)* an ExamList with all the Exams
 - `find(courseCode)` // returns *(a Promise that resolves to)* the matching Exam
 - `afterDate(date)` // returns *(a Promise that resolves to)* an ExamList with the subset of Exams after the given date
 - `getWorst(num)` // returns *(a Promise that resolves to)* an ExamList with the num Exams with the lowest score



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