Exercise 3.

Apply the equivalence partitioning black box technique to obtain the test cases for a program which receives as an input a text file with the following columns:

- Product-number: a positive integer field minor to 256, with 3 digits.
- Product-code: an alphanumeric field with 4 characters.
- Expiry-Month: represent the months in which the product expires; it is a positive value of two digits (except 00).
- Sale: a field of only one character; it is “+” when the product is on sale, otherwise “-“.

Provide the equivalence partitioning table with the input variable, valid classes, invalid classes and heuristic applied. Also, provide two tables the resulting with test cases, one for valid classes and another for the invalid ones.

Exercise 4.

Apply the equivalence partitioning black box technique to obtain the test cases for a method which generates a report according to the following inputs:

- Student Name: Which contains at least one name and one surname
- Group: three characters, the first is a letters A,C or D, and the following two are two digits from 01 until 15
- Theory mark (T): positive number (10 maximum)
- Laboratory mark(L): positive number (10 maximum)
- Deliverable mark (D) : positive number (8 maximum)

In the report, the method adds the final course mark by means of the equation: 0.6*T+0.4*P+0.1*D

Provide the equivalence partitioning table with the input variable, valid classes, invalid classes and heuristic applied. Also, provide two tables the resulting with test cases, one for valid classes and another for the invalid ones.