

LAB N° 2 - File Input & Output**Date: 27-31 / 10 / 2007**

Exercise 1

Implement the class student, which contains the following attributes and methods:

- ID: student id
- Name: student name
- Grade: student grade
- Student(): Empty constructor
- Student(String, String, char): Constructor with parameters

Write a java program to store an array of students in a file and implements the following functions:

- boolean SearchStudent(String): search student by id and returns true if is founded and false otherwise.
- int NPassStudents() : counts the number of passed students (having grade different of 'F')

Exercise 2

Using the class student described in Exercise 1, we will define now the class Course that contains the following attributes:

- NbStudents: number of students registered in the course, initially equal to zero and maximum 50 students.
- ArrStudents: array containing the students registered in the current course

Write a java program to store an array of students in a file and implements the following functions:

- AddStudent: accepts a student object and adds the new student to the course.
- DelStudent: accepts an identification number and deletes the corresponding student from the course.
- DisplayStudents: display identification numbers of all students registered in the course.