

Write a C program that reads the record of *N* students from a file *students.txt*. The input file should contain on the first line the positive integer value of *N* and then followed by the list of students with their **name**, **ID number**, **age**, and **gender**. Use an *array of structs* to store the student records. The structure definition of student should include the following details: name, ID number, age, and gender. The task of grouping and sorting should be implemented as a function that has array of structures as parameter. The program should write in an output file *sorted.txt* and display on the screen these records grouped by gender and ordered alphabetically by name.

Sample content of input file
“students.txt”

10			
Juan	05	18	M
Pedro	06	17	M
Maria	02	19	F
Carlos	11	16	M
Clara	01	18	F
Bella	09	18	F
Anton	07	19	M
Ana	10	17	F
Victoria	03	18	F
Berto	12	19	M

Sample output on the screen and
“sorted.txt” file:

NAME	ID#	AGE

MALE:		
Anton	07	19
Berto	12	19
Carlos	11	16
Juan	05	18
Pedro	06	17
FEMALE:		
Ana	10	17
Bella	09	18
Clara	01	18
Maria	02	19
Victoria	03	18