Week 9 Lab: Function Pointers

You are given three files:
1. compareElements.h
2. compareFunctions.h
3. sortMe.c

You are to write the functions declared in compareFunctions.h
1. int compare_id_ascending (const void *, const void *);
2. int compare_id_descending (const void *, const void *);
3. int compare_name_ascending (const void *, const void *);
4. int compare_name_descending (const void *, const void *);
5. int compare_money_ascending (const void *, const void *);
6. int compare_money_descending (const void *, const void *);

The program sortMe.c uses the qsort function to sort an array of structures (the structure definition is in compareElements.h) in six different ways.

Write the six comparison functions. Put each function in a separate file and write a makefile that separately compiles them and then links them to the sortMe.c program to produce the executable sortMe.

Submit (in a tar file) the six comparison functions and the makefile.

To get it graded, please demonstrate your code to the TA in your lab section. You must get this graded by the end of Week 11. If you miss your lab section you may go to another section but if you leave it too late you might not be able to get it graded in the last lab.