

Lab Exercise 3 – Arrays and Pointers

May 25, 2010

1. mystrcmp

Write a C function that will allow the user to compare two “strings” (char[]). This function starts comparing the first character of each string. If they are equal to each other, it continues with the following pairs until the characters differ or until a terminating null-character is reached.

Function signature: `int mystrcmp(char* str1, char* str2);`

Returned values:

- <0 if str1>str2
- >0 if str2>str1
- =0 if str1=str2

Your solution should consist of 3 files:

1. mystrcmp.c containing a body of the function.
2. mystrcmp.h containing declarations that may be included in other files

Do not use strcmp from string.h!

2. Binary representation

Test mystrcmp. Provide a main function where you declare two char arrays. Run the comparison and print appropriate information on to the standard output.