

ELE31EMP: Embedded Processors: Mark Sheet

Embedded C Laboratory 2: Pointer Referencing

Date	Time

Student Number	Surname	Given Names

Question/Task	Demonstrator's Comments	Dem's Initials	Mark /10
1. Create subdirectory for C Lab 2, e.g. " H:\ele31emp\labs\C2 ".			
Make project pointers as described.			
Name program sorting .			
2.1. Allocate memory dynamically using malloc .			
Read string into the run-time allocated memory.			
2.2 Use pointer referencing.			
Display string backwards.			
3.1. Read series of numbers into argv[] .			
3.2. Numeric sorting function.			
Median function.			
3.3. Print original numbers and their median.			
4.1. Structure comprising int and char array.			
4.2. Function that reads a name and number into structure.			
4.3. Array of structures.			
Loop for multiple data entry.			
4.4. Function to sort <i>names</i> according to ascending <i>numbers</i> .			
4.5. Display sorted names and numbers.			
Total mark / 170			

2005 March 10 Thursday: Geoffrey Tobin.