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How to compile it, the source file named lab4.c.
liu1ee@bravo:lab4$ gcc -o lab4 lab4.c

it then generates an executable file lab4. then run ./lab4
liu1ee@bravo:lab4$./lab4
input a series of integer to memory (maximum 8 digits) and maximum 1000 integers. print -1 to finish.
enter the 0 integer:0
enter the 1 integer:1
enter the 2 integer:2
enter the 3 integer:3
enter the 4 integer:4
enter the 5 integer:5
enter the 6 integer:6
enter the 7 integer:7
enter the 8 integer:7
enter the 9 integer:8
enter the 10 integer:9
enter the 11 integer:0
enter the 12 integer:13
enter the 13 integer:14
enter the 14 integer:16
enter the 15 integer:16
enter the 16 integer:7
enter the 17 integer:8
enter the 18 integer:9
enter the 19 integer:0
enter the 20 integer:5
enter the 21 integer:-1

All the value are
[0 1 2 3 4 5 6 7 7 8 9 0 13 14 16 16 7 8 9 0 5]

start clear memory!
memory is clear now!