

# Programming assignment 2

## Merge Sort

### Input (Standard input)

In the first line, the number of input keys N is given ( $1 \leq N \leq 100,000$ ).

In the next N lines, a key is given in each line.

### Output (Standard output)

Print the input keys sorted in decreasing order.

### [Example]

Input	Output
3	3
3	2
1	1
2	

### Description

1. File name must be Merge.cpp

2. Make the comment of student ID, name and class in the first line of the source code.

ex) 2008601028\_Honggildong\_A or 2008601028\_홍길동\_A

3. Please keep the source code that you have submitted for unexpected accident.