COP3530

Programming Assignment #1

Problem 1: Insertion Sort

In this assignment you have to implement the insertion sort algorithm. Your code should read N numbers and print them in sorted order.

INPUT:

On the first line, you can read the quantity of numbers, *N*. On the following *N* lines, you can read the numbers that you need to sort, one per each line.

OUTPUT:

Your code should print the sorted numbers in *N* lines, one per each line.

Sample:

Input:
```
5
12
19
16
17
13
```

Output:
```
12
13
16
17
19
```

Notes
- Make sure your code follows the input and output format, as described above. Don't print any prompts, e.g. "Please enter a number:".
- Make sure your insertion sort works for big inputs and different edge cases.
- **If you have any questions, use the discussion section.**