Decorators 2 - Name Directory

98/115 challenges solved

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Let's use decorators to build a name directory! You are given some information about N people. Each person has a first name, last name, age and sex. Print their names in a specific format sorted by their age in ascending order i.e. the youngest person's name should be printed first. For two people of the same age, print them in the order of their input.

For Henry Davids, the output should be:

```
Mr. Henry Davids
```

For Mary George, the output should be:

```
Ms. Mary George
```

Input Format

The first line contains the integer N, the number of people.

N lines follow each containing the space separated values of the first name, last name, age and sex, respectively.

Constraints

$1 \leq N \leq 10$

Output Format

Output N names on separate lines in the format described above in ascending order of age.

Sample Input

```
3
Mike Thomson 20 M
Robert Bustle 32 M
Andria Bustle 30 F
```

Sample Output

```
Mr. Mike Thomson
Ms. Andria Bustle
Mr. Robert Bustle
```

Concept

For sorting a nested list based on some parameter, you can use the itemgetter library. You can read more about it here.

Change Theme Language Python 3

```python
import operator

def person_lister(f):
    def inner(people):
        # complete the function
        # Sort people by age (converting to int first)
        sorted_people = sorted(people, key=lambda x: int(x[2]))
        # Apply the formatting function to each person
        return [f(person) for person in sorted_people]
    return inner

@person_lister…
```

EMACS Line: 18 Col: 42

Upload Code as File Test against custom input Run Code Submit Code

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98/115 challenges solved.

85%

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You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0 Compiler Message

Test case 1

Success

Test case 2

Input (stdin) Download

```
3
Mike Thomson 20 M
Robert Bustle 32 M
Andria Bustle 30 F
```

Test case 3

Test case 4

Test case 5

Expected Output Download

```
Mr. Mike Thomson
Ms. Andria Bustle
```

Test case 6