



◀ Week 2 Code Challenge





(/course/show/1038?openDirectly=2227)

▶ Week 2 Code Challenge 1
(/amphiSession/instructions/4316?fromAttempt=true)

▶ Week 2 Code Challenge 2
(/amphiSession/instructions/4322?fromAttempt=true)

▶ Week 2 Code Challenge 3
(/amphiSession/instructions/4323?fromAttempt=true)

▶ Week 2 Code Challenge 4
(/amphiSession/instructions/4324?fromAttempt=true)

  (/amphiSession/instructions/4316?popup=true) This Section has 1 page.

Problem

Program

HELP THE WEB TEAM**[An Accepted PE will not be considered as Accepted. Your solution should get an Accepted Status]**

When we were designing a web site for online registration for an event, we encountered a problem. In the registration form, there were fields to fill up your name information. Users don't all capitalize their names consistently. When we take the report of registered participants, the report did not look good due to inconsistent capitalizing. So we want the website to typically format the name information while processing the form. Can you help us in formatting a list of names?

Write a program to format a list of names.

Input Format:

Input consists of $n+1$ lines where n corresponds to the number of words in the list.

1. The first line contains the number n of names
2. The following n lines each contain a name, a name can have 1 to 3 components
 - A 1 component name is a family name, ex: CLEOPATRA
 - A 2 component name is a first name followed by a family name, ex: Albert EINSTEIN
 - A 3 component name is either a particle name (Leonardo da VINCI) or a name with a middle initial (John F. KENNEDY)

Output Format:

For each name you should print its corresponding formatted version:

- The first name must start with an uppercase letter and be followed by lowercase letters
- The middle initial must be uppercase
- The family name must be uppercase
- The particle must be lower (the da in Leonardo da VINCI)

Sample Input:

```
5
CLEOPatra
AISHWARYA rai
jOHn f. KeNNeDy
leonardo DA Vinci
tyleR durdeN
```

Sample Output:

```
CLEOPATRA
Aishwarya RAI
John F. KENNEDY
Leonardo da VINCI
Tyler DURDEN
```

Sections

Finish

