A common method to store records in a file is the comma-separated values (CSV), where all values are separated by the comma symbol (,) and every two consecutive records are separated by a newline. However, CSV files are often hard to read by human, so the presentation of data in a CSV file should be carefully considered. Your goal is to write a program to show the data in a file stored in CSV format.

Requirement: Use standard library functions defined in "string.h" to tokenize your input.

## Input

The input has several records and ends with the EOF. Each record contains the following fields: First Name, Last Name, Nick Name, Age, Gender, University, and Department. All the field values are separated by the comma symbol.

## Output

Output the records according to the format shown in the sample output. Two consecutive fields are separated by three spaces, except the fields university and department, where they are separated by 20 spaces. Each dashed line is composed of 112 dashes. All the field values are aligned left except Age (aligned right), and Gender (aligned to the character 'n' in the filed name).

## Sample Input

Michael, Bryant, Spider, 32, Female, Fu Jen Catholic, Electrical Engineering Cris, Bryant, Scarlet, 33, Male, Northwestern, Psychology Tom, Stockton, Mamba, 36, Female, Princton, Electrical Engineering Lebron, Bryant, Bishop, 20, Female, Yale, Psychology

## **Sample Output**

First Name	Last Name	Nick Name	Age	Gender	University	Department
Michael Cris Tom Lebron	Bryant Bryant Stockton Bryant	Spider Scarlet Mamba Bishop	32 33 36 20	F M F F	Fu Jen Catholic Northwestern Princton Yale	Electrical Engineering Psychology Electrical Engineering Psychology