**Temperature**

WorldTemperature.com is a website which list various temperature of cities all over the world. In their website, some cities use different metric temperature; Celsius (C) and Fahrenheit (F). In the next month, they want to add a feature to sort the list of cities based on their temperature, from the coldest to the hottest cities. Nevertheless, they still want to keep the original temperature metric for all cities.

**Format Input**

All temperature data are stored in a file which have maximum N lines. Each line contains three data, those are: **City Name**, **Temperature**, and **Metric**. Each data is separated by **#** as a delimiter.

**Format Output**

N lines temperature data which list the coldest to the hottest cities. If two or more cities have the same amount of temperature, sort them by using city name in ascending order (A – Z). The format of the output is “[city name] is [temperature][metric]”. Use a two-digit comma separated number format for the temperature.

**Constraint**

* 1 ≤ N ≤ 100
* 1 ≤ length of city name ≤ 1000
* -60 ≤ temperature ≤ 224

**Sample Input (file)**

|  |
| --- |
| Jakarta#28#C  New York#37.4#F  Tokyo#9#C  London#9#C  Singapore#27#C  Vancouver#-1#C  Taipei#64.4#F  Denver#-4#C  Santiago#69.8#F  New Delhi#11#C |

**Sample Output (standard output)**

|  |
| --- |
| Denver is -4.00C  Vancouver is -1.00C  New York is 37.40F  London is 9.00C  Tokyo is 9.00C  New Delhi is 11.00C  Taipei is 64.40F  Santiago is 69.80F  Singapore is 27.00C  Jakarta is 28.00C |

Note: