

Coding Arena

Time Left

05 11 52
 hr min sec

A

B

C

D

E

F

G

H

Rules & Regulations**Launch Code Editor****Problem : House Numbers**

There are a number of buildings of different sizes (width) and with different number of floors. Each may have zero, one or more flats marked with a different character, say \$. Identify these flats and print the address in form of building number, floor and flat number.

Buildings are separated from each other by a space character. Floors start from 1 i.e. the lowest floor is the first floor. Also flat numbers are assigned from left to right. The \$ character is the flat of interest for which we have to find the address.

For example,

```
####
####   ##
###$ ### ##
#### ##$ ## #####
#### ### ## #####
```

The above is an example of a colony with 4 buildings. The first building has 5 floors with 4 flats on each floor. The flat marked by \$ in the first building can be identified as 134 (building 1, floor 3 and flat 4). Similarly, the flat marked by \$ in the second building can be identified as 223 (building 2, floor 2 and flat 3).

A file containing a random colony will be given as an input to your program. You have to identify all flats marked by \$ in the colony. Note that there is no limit to the number of buildings, floors or flats.

Input Format:

Text file path

Output Format:

Print Building number(B), floor number(F), Flat numbers(R) of all flats marked by \$ in the following format:
<BFR>

Constraints:

Print order for \$-marked flats should be from top floors to bottom floors and left building to right building

Sample Input and Output

SNo.	Input	Contents Of Input File	Output
1	/tmp/T1.txt	<pre>### ##### # ### ##### # ### #\$\$\$ # ### ##### # ### ##### #</pre>	232
2	/tmp/T2.txt	<pre>##\$ ## ##\$ ##### \$ ### ##### # ### \$\$\$\$ ## ### \$\$\$\$ ## ### \$\$\$\$ ## ></pre>	152 142 341 221 223 111 213

Note:

Please do not use package and namespace in your code. For object oriented languages your code should be written in one class.

Note:

Participants submitting solutions in C language should not use functions from <conio.h> / <process.h> as these files do not exist in gcc

Note:

For C and C++, return type of main() function should be int.

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Submit Answer

☐ I, **NEELAKANDAN OBLA** confirm that the answer submitted is my own.



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