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The Virtual Learning Environment for Computer Programming

# Rows and columns

P28318\_en

Write a program that reads a matrix, and afterwards prints the rows, the columns and the elements that are asked for.

#### Input

Input consists of a matrix followed by a sequence of questions about the matrix. The matrix is described with two natural numbers n>0 and m>0, followed by n lines with m integer numbers each one. Every question begins with the word "row", "column" or "element". If the word is "row", it is followed by the number of a row. If the word is "column", it is followed by the number of a column. If the word is "element", it is followed by the number of a row and the number of a column. All the given numbers of row and of column are correct, and start with 1.

#### Output

For every question, print the row, the column, or the element asked for.

### Sample input

## 5 7 6 4 1 2 2 8 1 3 8 8 0 1 2 9 2 1 6 5 4 3 2 1 row 4 column 2 element 1 2 row 1

### Sample output

```
row 4: 6 5 4 3 2 1 column 2: 7 8 1 5 element 1 2: 7 row 1: 5 7 6 4 1 2
```

#### **Problem information**

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