## Sum Matrix Elements

Write a program that **reads a matrix** from the console and prints:

* The sum of all **matrix elements**
* The **matrix itself**

On the first line, you will receive the matrix sizes in format **"{rows}, {columns}".** On the next **rows**, you will get elements for each column separated with a **", "**.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 3, 6  7, 1, 3, 3, 2, 1 1, 3, 9, 8, 5, 6 4, 6, 7, 9, 1, 0 | 76  [[7, 1, 3, 3, 2, 1], [1, 3, 9, 8, 5, 6], [4, 6, 7, 9, 1, 0]] |