## Split by Word Casing

Read a **text**, split it into words and distribute them into **3 lists**.

* **Lower-case words** like “programming”, “at” and “databases” – consist of lowercase letters only.
* **Upper-case words** like “PHP”, “JS” and “SQL” – consist of uppercase letters only.
* **Mixed-case words** like “C#”, “SoftUni” and “Java” – all others.

Use the following **separators** between the words: , ; : . ! ( ) " ' \ / [ ] space

Print the 3 lists as shown in the example below.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Learn programming at SoftUni: Java, PHP, JS, HTML 5, CSS, Web, C#, SQL, databases, AJAX, etc. | Lower-case: programming, at, databases, etc  Mixed-case: Learn, SoftUni, Java, 5, Web, C#  Upper-case: PHP, JS, HTML, CSS, SQL, AJAX |