## 2.Match Phone Number

Write a regular expression to match a **valid phone number** from **Sofia**. After you find all **valid phones**, **print** them on the console, separated by a **comma and a space "**, **"**.

### Compose the Regular Expression

A valid number has the following characteristics:

* It starts with "+359"
* Then, it is followed by the area code (always **2**)
* After that, it’s followed by the **number** itself:
  + The number consists of **7 digits** (separated into **two** **groups** of **3** and **4** **digits** respectively).
* The different **parts** are **separated** by **either a space or a hyphen** ('-').

You can use the following RegEx properties to **help** with the matching:

* Use **quantifiers** to match a **specific number** of **digits**
* Use a **capturing group** to make sure the delimiter is **only one of the allowed characters** **(space or hyphen)** and **not** a **combination** of both (e.g. +359 2-111 111 has **mixed delimiters**, it is **invalid**). Use a **group backreference** to achieve this.
* Add a **word boundary** at the **end** of the match to avoid **partial matches** (the last example on the right-hand side).
* Ensure that before the '+' sign there is either a **space** or the **beginning of the string**.

You can use the following table of values to test your RegEx against:

|  |  |
| --- | --- |
| **Match ALL of these** | **Match NONE of these** |
| +359 2 222 2222  +359-2-222-2222 | 359-2-222-2222, +359/2/222/2222, +359-2 222 2222  +359 2-222-2222, +359-2-222-222, +359-2-222-22222 |

### Implement the Solution in JavaScript

Now it’s time to write the solution, so let’s start writing!

First, just like in the previous problem, put your RegEx in a variable:



After that, let’s make an array of matches using like in the previous exercise:

Graphical user interface, text, application

Description automatically generated

Now let's print **all the matches**, separated by **", "**:

Logo

Description automatically generated with low confidence

### Examples

|  |
| --- |
| **Input** |
| ['+359 2 222 2222,359-2-222-2222, +359/2/222/2222, +359-2 222 2222 +359 2-222-2222, +359-2-222-222, +359-2-222-22222 +359-2-222-2222'] |
| **Output** |
| +359 2 222 2222, +359-2-222-2222 |
| **Input** |
| ['+359 2 357 3351 +359 2 22 2222 +359 2 173 3408 +359-2-789-2584 +359 2 193 3953 +359-2-961-0248 +359-2-789-2584 +359 2 222 222 +360 2 222 2222 +359 2 727 9740 +359-2-854-2280 +359 2 193 3953 +359 2 357 3351 +359 2 558 8560 +359 2 222 222'] |
| **Output** |
| +359 2 357 3351, +359 2 173 3408, +359-2-789-2584, +359 2 193 3953, +359-2-961-0248, +359-2-789-2584, +359 2 727 9740, +359-2-854-2280, +359 2 193 3953, +359 2 357 3351, +359 2 558 8560 |