# Problem 3 – Article Parser

Write a PHP program that reads **several articles** from a textarea and **converts the valid ones into HTML description boxes**. A valid article is any sequence of characters in the format **[articleName]%[author];[dd-mm-YYYY]-[articleSummary]**. The data should be extracted and put inside **<div></div>** tags in the following format:

<div>

Topic: **[articleName]**

Author: **[author]**

When: **[monthAsWord]**

Summary: **[articleSummary]**

</div>

**monthAsWord** denotes the given month, displayed as English word (e.g. 06 is **June**, 03 is **March**). **articleSummary** denotes the summary part of the article. For example, we are given the following article:

***The dangers of smoking****%****Dr. Elliot Hawking****;****13-06-2014****-* ***Recent research has proven that about 80% of all smokers, who smoke on a regular daily basis, are de****veloping...*

The colored parts denote the necessary information. Any unnecessary **whitespace** on the left or right **should be removed**. Note that the **extracted summary** is only **part** of the entire summary. Only the **first 100 characters of the entire summary** should be taken (without counting leading whitespace). If the original summary is less than 100 characters long, it should be printed as it is. In either case, whitespaces should be stripped and 3 trailing dots "**…**" should be added. The result is:

**<div>**

**<b>**Topic**:</b> <span>**The dangers of smoking**</span>**

**<b>**Author:**</b> <span>**Dr. Elliot Hawking**</span>**

**<b>**When:**</b> <span>**June**</span>**

**<b>**Summary:**</b> <span>**Recent research has proven that about 80% of all smokers, who smoke on a regular daily basis, are de...**</span>**

**</div>**

### Input

The input will be read from an **HTTP GET request**. The **text** will come from a **textarea 'text'**, holding **each article on a separate line**.

### Output

Each article should be printed in its own **<div></div>** tags, on a separate line. The output should be exactly like in the examples below. **Topic:**, **Author:**, **When:** and **Summary:** should be printed in **<b></b>** tags, followed by a space and the respective information in **<span></span>** tags. Ensure all HTML special characters are correctly encoded by **htmlspecialshars()**.

### Constraints

* A valid article will always be in the format **[articleName]%[author];[dd-mm-YYYY]-[articleSummary]**
  + The **article name** will contain 1 or more **letters**, **spaces** and **-**
  + The **author’s name** will contain 1 or more **letters**, **spaces**, **.** and **-**
  + The **date** will always be in the format **dd-mm-YYYY**
  + The **article** summary will contain **any characters**, except for new line, 1 or more times
* If an article does not follow the rules above, it is invalid and should ***NOT* be printed**

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | | **Output** |
| text | **The dangers of smoking**%**Dr. Elliot Hawking**;**13-06-2014**-**Recent research has proven that about 80% of all smokers, who smoke on a regular daily basis, are de**veloping. | <div>  <b>Topic:</b> <span>The dangers of smoking</span>  <b>Author:</b> <span>Dr. Elliot Hawking</span>  <b>When:</b> <span>June</span>  <b>Summary:</b> <span>Recent research has proven that about 80% of all smokers, who smoke on a regular daily basis, are de...</span>  </div> |
| **Input** | | **Output** |
| text | **The dangers of smoking**%**Dr. Elliot Hawking**;**13-06-2014**-**Recent research has proven that about 80% of all smokers, who smoke on a regular daily basis, are de**veloping...  **Writing a quality CV**% **Dr. Svetlin Nakov** ;**18-12-2014**- **Curriculum half-day free seminar to search and apply for a job(CV + cover letter) as a software engi**neer or IT specialist includes the most important issues involving the search for jobs, prepare application documents , application, preparation for interview and sitting for a job interview | <div>  <b>Topic:</b> <span>The dangers of smoking</span>  <b>Author:</b> <span>Dr. Elliot Hawking</span>  <b>When:</b> <span>June</span>  <b>Summary:</b> <span>Recent research has proven that about 80% of all smokers, who smoke on a regular daily basis, are de...</span>  </div>  <div>  <b>Topic:</b> <span>Writing a quality CV</span>  <b>Author:</b> <span>Dr. Svetlin Nakov</span>  <b>When:</b> <span>December</span>  <b>Summary:</b> <span>Curriculum half-day free seminar to search and apply for a job(CV + cover letter) as a software engi...</span>  </div> |
| **Input** | | **Output** |
| text | **Network Security and why it is important**%**Dennis Ritchie**;**26-03-1998**-**No information yet**  Article#2 | <div>  <b>Topic:</b> <span>Network Security and why it is important</span>  <b>Author:</b> <span>Dennis Ritchie</span>  <b>When:</b> <span>March</span>  <b>Summary:</b> <span>No information yet...</span>  </div> |