# Problem 4 – Pesho the Pharmacist

**Pesho** lived in **GoshoWland**. He was a **pharmacist**. He had very peaceful life until one day his Pharmacy was visited by **tax officers** who made an **inspection**. Pesho had to find **all the invoices** for every delivery he had and make a **report** that holds the information about the **deliveries he had per day** sorted **chronologically**. He had to **start from the farthest date**. According to the tax laws in Gosholand the tax officers could only check the **invoices in the last 5 years (implicitly)**. Gosho is great pharmacist but can't keep the books well. Help him **prepare the report for the tax officers**. If you do, he promises to supply you with free drugs for life.

Gosho will give you as an **input** each **invoice** he finds. The **invoices will be strings** in the format **"date | company | drug | cost"**. Your task is to **process the invoices** and present it in an **appropriate format (unordered list and a JSON object)** to the **tax officers.**

### Input

The input will be read from an **HTTP GET** **request**. The **date of the tax officers' inspection** will be received from a **text input field with name 'today'**. The **invoices** will be received as an array from a **text** **input field with name 'invoices'**.

### Output

The output consists of **unordered list (UL)**, an **empty row** and a **JSON object**.

The **UL** has as **list items** the **dates of the deliveries**, sorted **chronologically** (starting from the farthest date). Each **list item (date) is nested UL**, that has as **items** the **names of the companies** that delivered to the pharmacy that day, arranged in **alphabetical order**. Each **list item (company) is nested UL**, that has **only one item** – a list of the **drugs** that this company delivered that day, sorted **alphabetically** and **separated by a comma and a space**. On the same line is written the **amount of money** Pesho paid to this company that day. Please **follow exactly** the **example below**.

Print at the console a **JSON string** that holds the **dates of the deliveries** (in alphabetical order), the **list of the companies** that made deliveries that day, a **list of drugs** for each company (in alphabetical order) and the **amount of money** paid to **each company for each day**. **Duplicates** should be removed (all strings are **case-sensitive**). Please follow exactly the **JSON format** from the example below.

### Constraints

* The **date of the tax officers' inspection** will be received in the format " 11/05/2013"
* The **invoices** will be received as a string in the format **"date | company | drug | cost".** The different components are separated by only **one symbol "|"** and **n spaces, n >= 0**
* Use the **default bullet type** for the **UL**

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | | **Output** |
| today | 07/08/2014 | <ul><li><p>02/12/2011</p><ul><li><p>Actavis</p><ul><li><p>Aulin-120.54lv</p></li></ul></li></ul></li><li><p>11/05/2013</p><ul><li><p>Actavis</p><ul><li><p>Paracetamol-17.54lv</p></li></ul></li><li><p>Sopharma</p><ul><li><p>Analgin,Paracetamol-77.99lv</p></li></ul></li></ul></li><li><p>23/01/2014</p><ul><li><p>Actavis</p><ul><li><p>Paracetamol-7.54lv</p></li></ul></li></ul></li></ul> |
| invoices | ["11/05/2013 | Sopharma | Paracetamol | 20.54 lv", "11/05/2013 | Sopharma | Analgin | 57.45 lv", "02/12/2011 | Actavis | Aulin | 120.54 lv", "13/05/2009 | Sopharma | Tamiflu | 221.54 lv", "23/01/2014 | Actavis | Paracetamol | 7.54 lv", "11/05/2013 | Actavis | Paracetamol | 17.54 lv"] |

ADD JSON!