Exercises: HTTP Protocol

Problems for exercises and homework for the . Submit your solutions on the **course page** of the **current instance**.

1. Extracting Cookies

You have been tasked to extract the **Cookies** from the **Cookie Header** of a simple **HTTP Request**. The Request will be given to you as a text. Its contents are insignificant to the exercise itself, but it is important to know that the Request might have any header and might or might not have a body.

Extract the **Cookies** from the given Request Data and print their values in format: **{cookieKey} <-> {cookieValue}**

Example

Input	Output
POST /url HTTP/1.1 Date: 17/01/2019 Host: localhost:8000 Content-Type: application/xml Cookie: lang=en; Sess=lsn3Xeg2 name=Yum&quantity=50&price=10	lang <-> en Sess <-> lsn3Xeg2
POST /url HTTP/1.1 Cookie: JSession=c3zdsDDD341v name=Yum&quantity=50&price=10	JSession <-> c3zdsDDD341v
GET /url HTTP/1.1 Host: localhost:8000 Cookie: lang=en; theme=dark; locale=bg_EN; JSession=58vzsdfg	lang <-> en theme <-> dark locale <-> bg_EN JSession <-> 58vzsdfg

2. Create classes

Create class – **HttpCookie**.

The **HttpCookie** has the following **properties**:

- **key**
- **value**

These **properties** are both **Strings** and are passed through the **constructor**.

Add a **collection** of **HttpCookies** to the **HttpRequest** class from the previous exercise. **Parse** the **inputs** from **above** into actual **HttpCookie** implementations in the **HttpRequest**.

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