# Exercises: HTTP Protocol

Problems for exercises and homework for the [“Java Web Development Basics” course @ SoftUni](https://softuni.bg/trainings/1844/java-web-development-basics-january-2018/internal). Submit your solutions on the **course page** of the **current instance**.

## 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 |

## 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.