第四课第二题

题目：写一段代码，使用 HttpClient 或 OkHttp 访问 http://localhost:8801，代码提交到 GitHub

1.使用HttpClient访问

导入maven依赖

```xml
<!--HttpClient依赖包-->
<dependency>
    <groupId>org.apache.httpcomponents</groupId>
    <artifactId>httpclient</artifactId>
    <version>4.3.5</version>
</dependency>
```

代码：

```java
package java0.nio01.client;


import org.apache.http.client.ClientProtocolException;
import org.apache.http.client.methods.CloseableHttpResponse;
import org.apache.http.client.methods.HttpGet;
import org.apache.http.impl.client.CloseableHttpClient;
import org.apache.http.impl.client.HttpClients;
import org.apache.http.util.EntityUtils;

import java.io.IOException;

public class HttpClientDemo {
    public static void main(String[] args) {
        CloseableHttpClient httpClient = HttpClients.createDefault();

        HttpGet httpGet = new HttpGet("http://localhost:8808/test");
        CloseableHttpResponse response = null;

        try {
            response = httpClient.execute(httpGet);
            if (response.getStatusLine().getStatusCode() == 200) {
                String content = EntityUtils.toString(response.getEntity(),
"UTF-8");
                System.out.println(content);
                System.out.println("内容长度：" + content.length());
            }
        } catch (ClientProtocolException e) {
            e.printStackTrace();
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

运行结果：

```
D:\program\Java\Jdk\bin\java.exe ...
hello,kimmking
内容长度: 14
```

2.使用OkHttp访问

pom依赖

```xml
<!--OkHttp依赖包-->
<dependency>
    <groupId>com.squareup.okhttp3</groupId>
    <artifactId>okhttp</artifactId>
    <version>3.6.0</version>
</dependency>
```

代码:
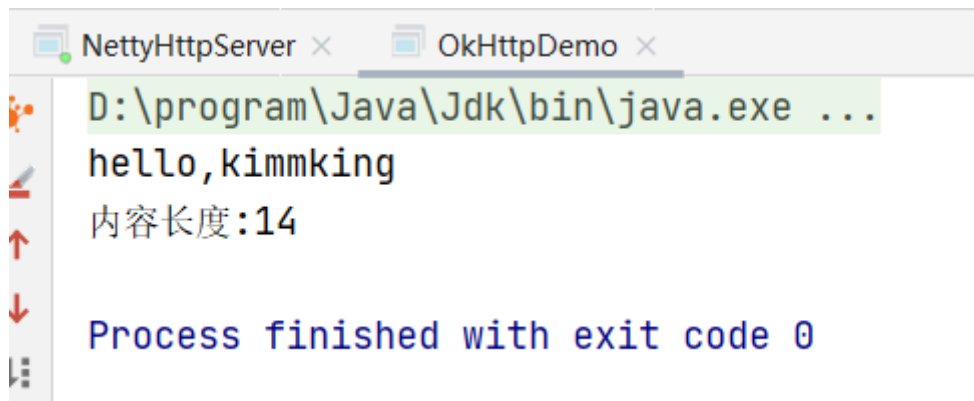
```java
package java0.nio01.client;

import okhttp3.*;

import java.io.IOException;

public class OkHttpDemo {
    public static void main(String[] args) {
        OkHttpClient httpClient = new OkHttpClient();
        Request request = new Request.Builder()
                .get().url("http://localhost:8808/test").build();

        try {
            Response response = httpClient.newCall(request).execute();
            if (response.isSuccessful()) {
                System.out.println(response.body().string());
                System.out.println("内容长度:" + response.header("Content-
Length"));
            }
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

运行结果:

3. 使用Hutool访问

Hutool是国内开源的一个小工具包，其使用的HttpUtil是针对JDK的HttpUrlConnection做了一层封装，简化了Http请求，利用使用。

pom依赖

```xml
<dependency>
    <groupId>cn.hutool</groupId>
    <artifactId>hutool-all</artifactId>
    <version>5.5.7</version>
</dependency>
```
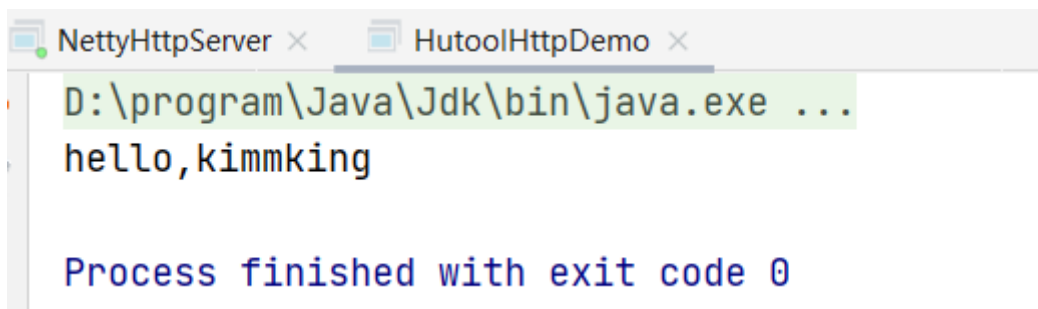
代码：

```java
package java0.nio01.client;

import cn.hutool.http.HttpUtil;

public class HutoolHttpDemo {
    public static void main(String[] args) {
        String response = HttpUtil.get("http://localhost:8808/test");
        System.out.println(response);
    }
}
```

运行结果：