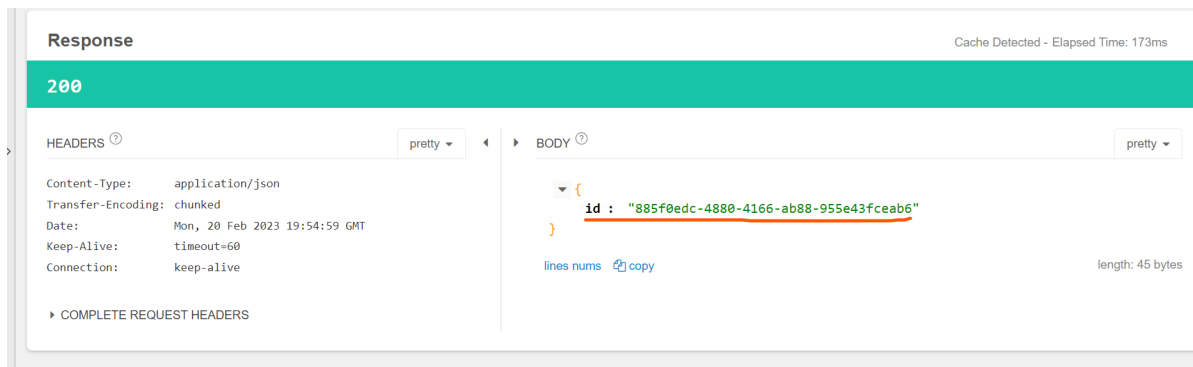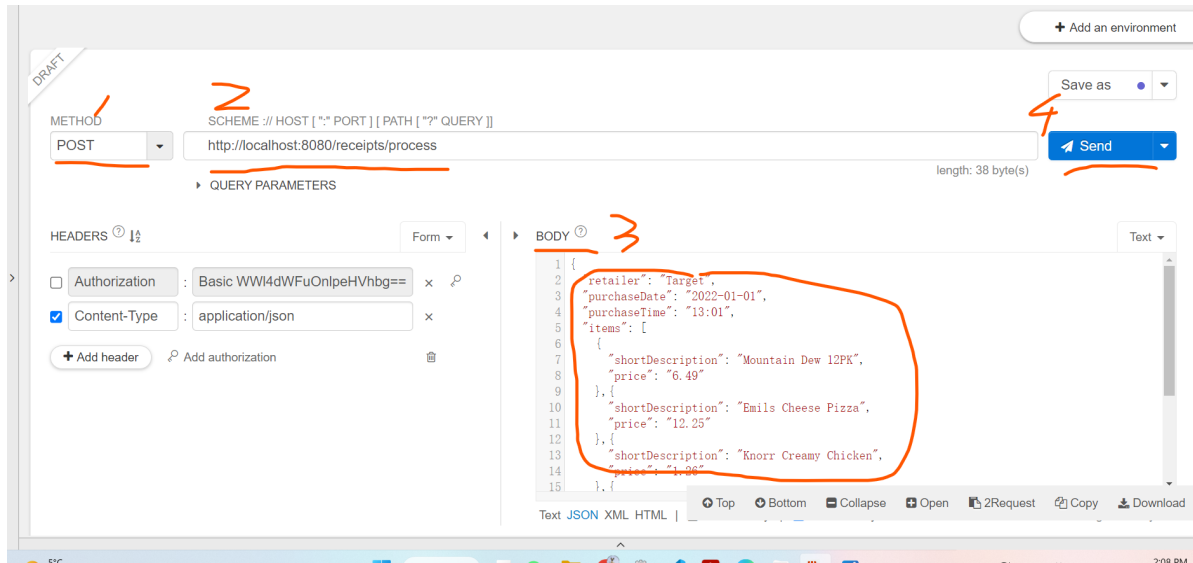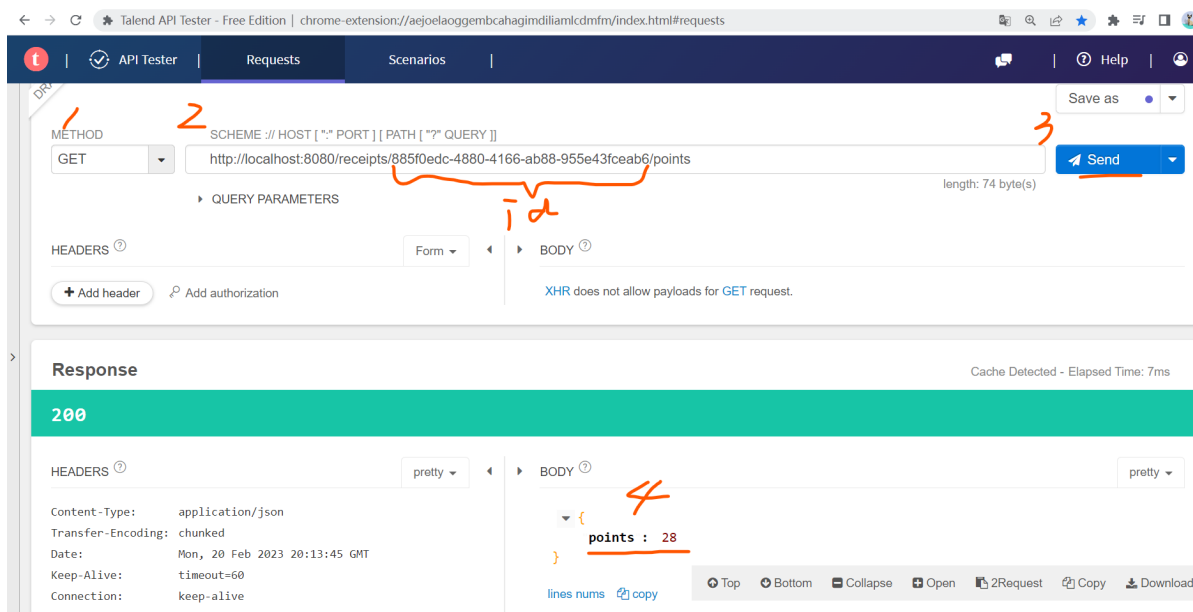# Application function

Func 1: Post Receipt info in json format

Func 2: Get points of the Receipt by id

Guide of start this spring boot application

Step1: install latest version java and eclipse

Installing Java

Windows - https://www.youtube.com/watch?v=I0SBRWVS0ok

Linux - https://www.youtube.com/watch?v=mHvFpyHK97A

Mac - https://www.youtube.com/watch?v=U3kTdMPlgsY

Troubleshooting

Troubleshooting Java Installation - https://www.youtube.com/watch?v=UI_PabQ1YB0

Installing Eclipse

Windows - https://www.youtube.com/watch?v=toY06tsME-M

Others - https://www.youtube.com/watch?v=XveQ9Gq41UM

Attention :

A video of STEPS below, you can also see the picture steps below alternatively.

https://github.com/LIANGYIXUAN3335/receiptProcess/blob/main/quick%20guide%20of%20running%20this%20application.mp4

Step2: Import it in eclipse

Download this package to your local repository.

Open eclipse choose **File -> Import -> Maven -> Existing maven projects**.
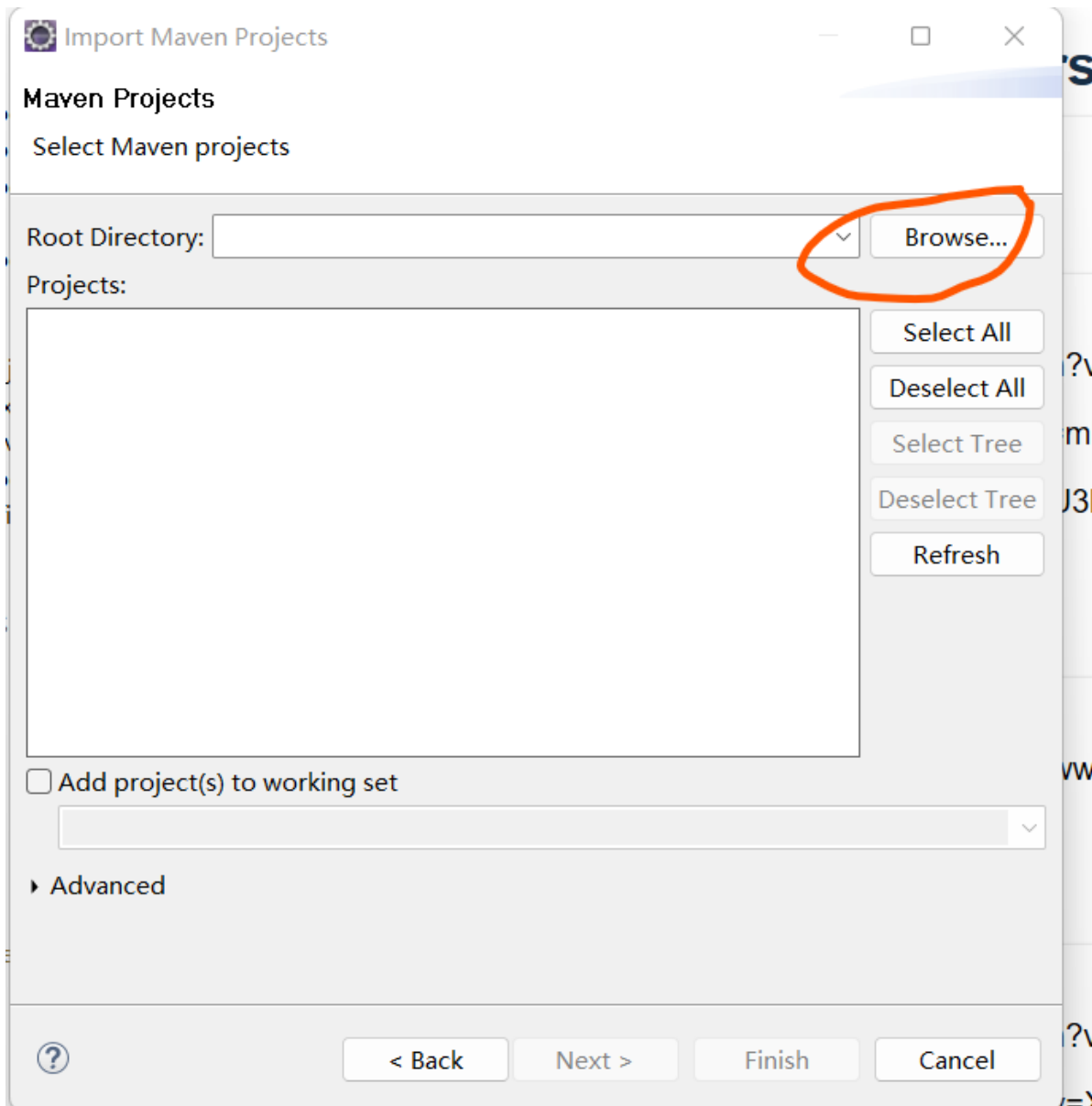
When you see the **pom file** as below , click **finish**.

Right click **project name -> Properties-> Java build path-> double click [jre system library]**
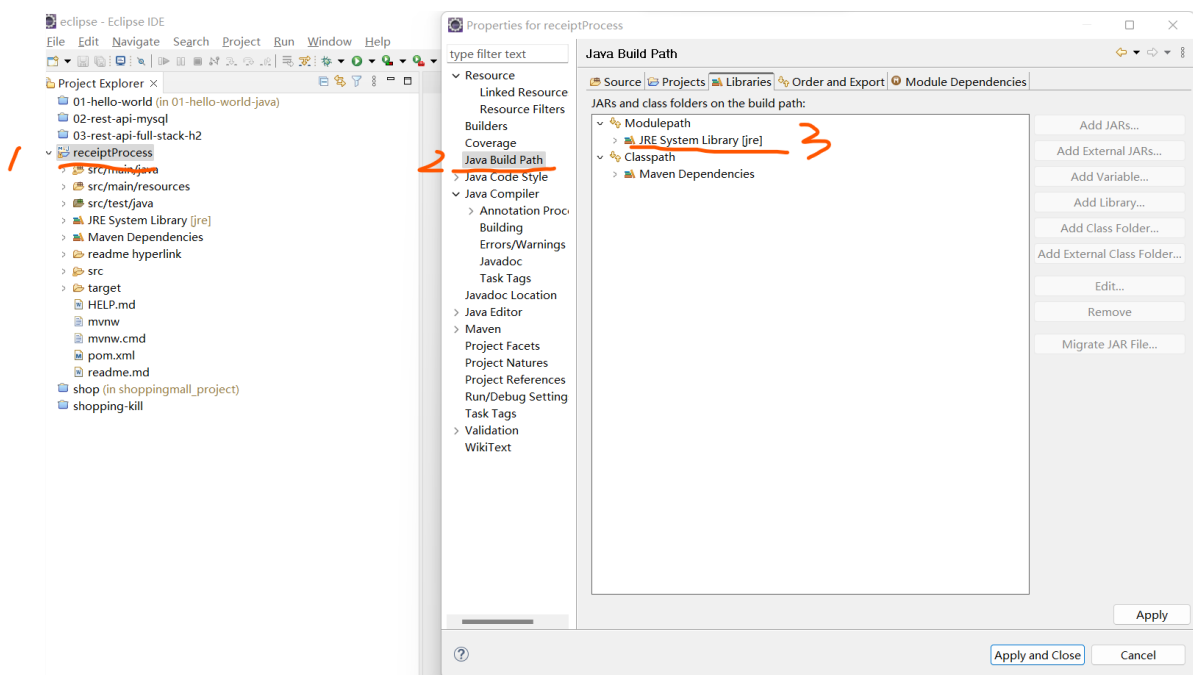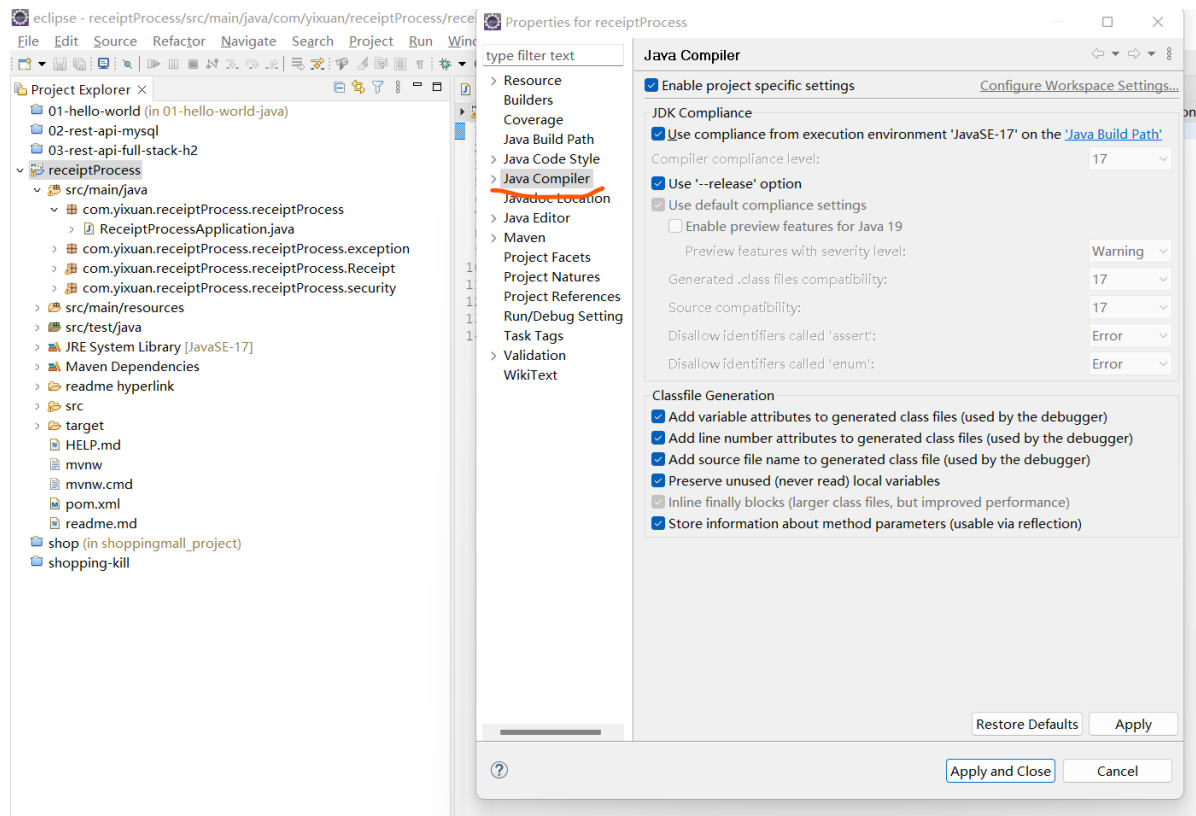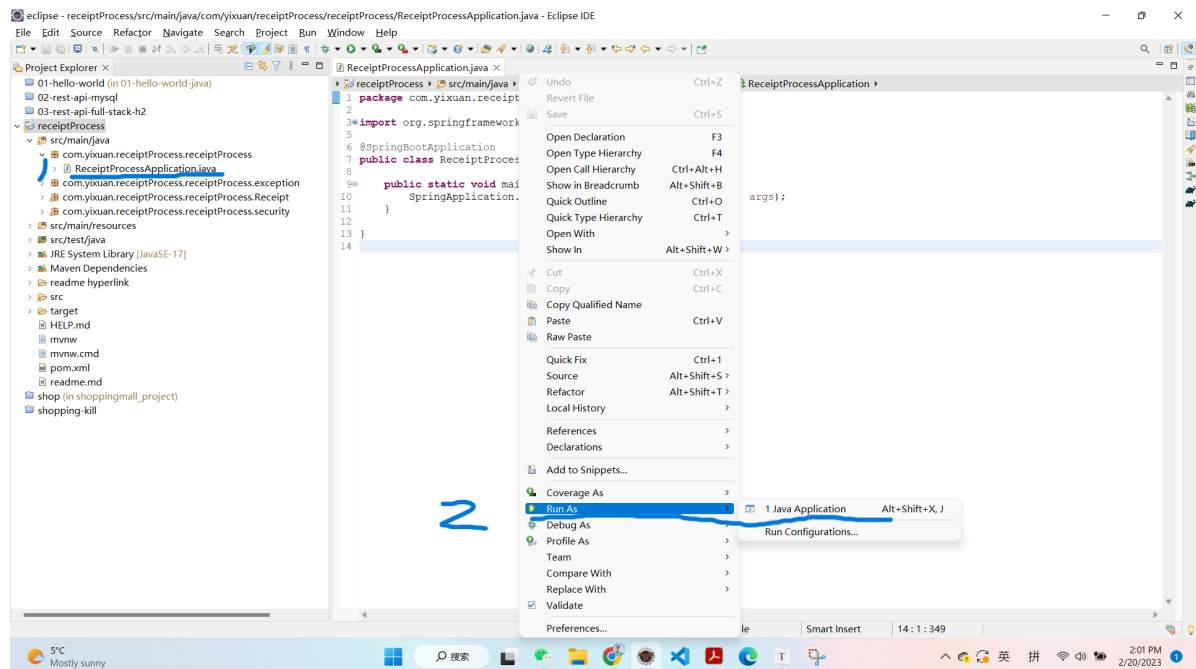

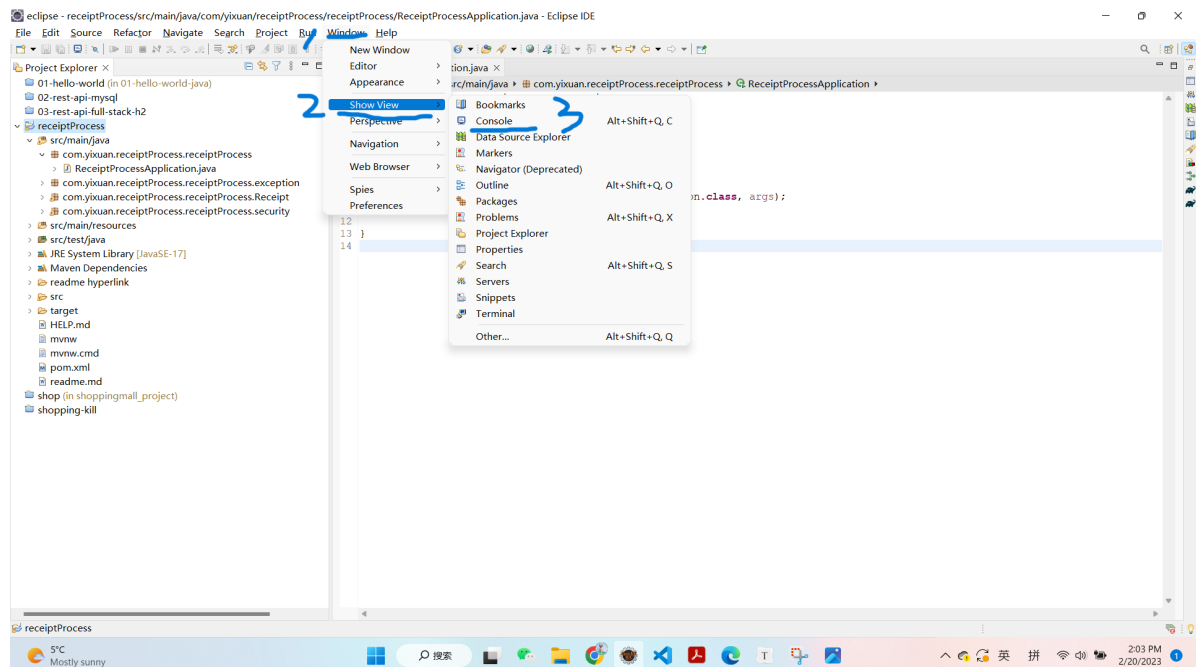Choose **Execution environment -> JavaSE -17** then apply
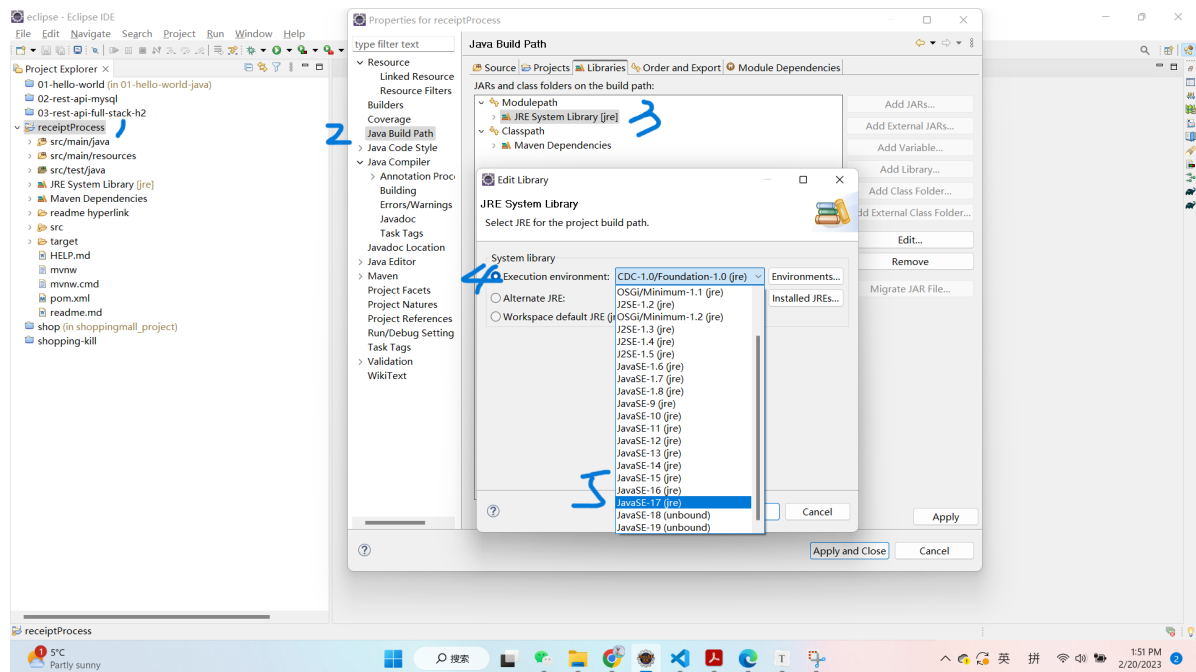
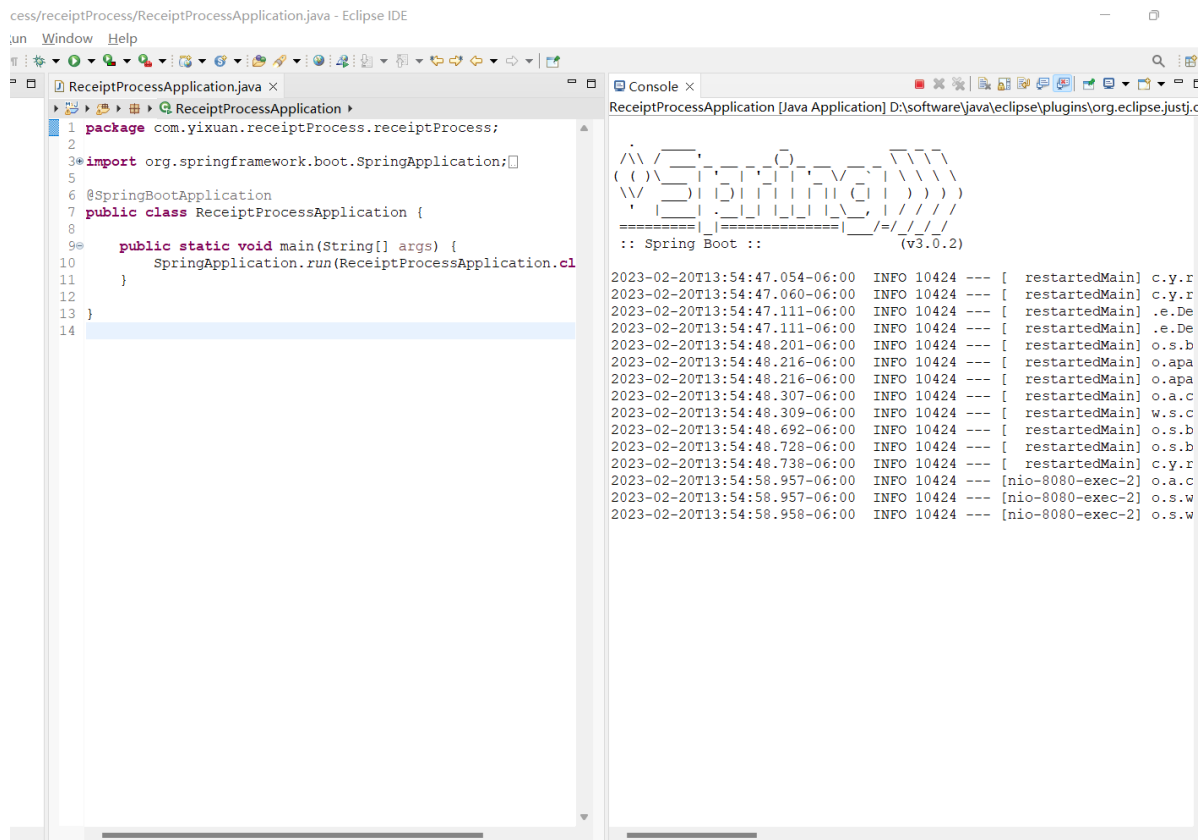then choose **Java Compiler** and save settings as below.

Open the main class **ReceiptProcessApplication.java** and **right click and select" run as" -> 1 java application"**

Choose **window -> show view -> console**

When you see this, that means the web application is start with no error.

```java
package com.yixuan.receiptProcess.receiptProcess;

import org.springframework.boot.SpringApplication;

@SpringBootApplication
public class ReceiptProcessApplication {

    public static void main(String[] args) {
        SpringApplication.run(ReceiptProcessApplication.cl
    }
}
```

Step3:

Add **Talend API tester** in chrome extension
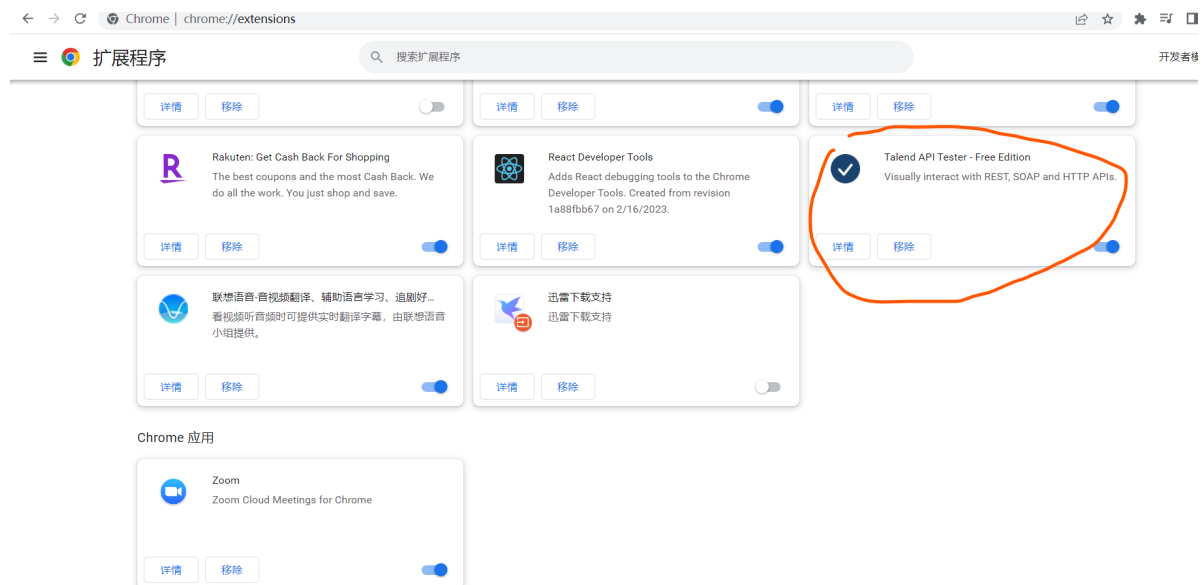
Choose **"POST"** in Method and type "http://localhost:8080/receipts/process" **in "SCHEME"**

Then add a json file Receipt in Body and Choose **"Send"**
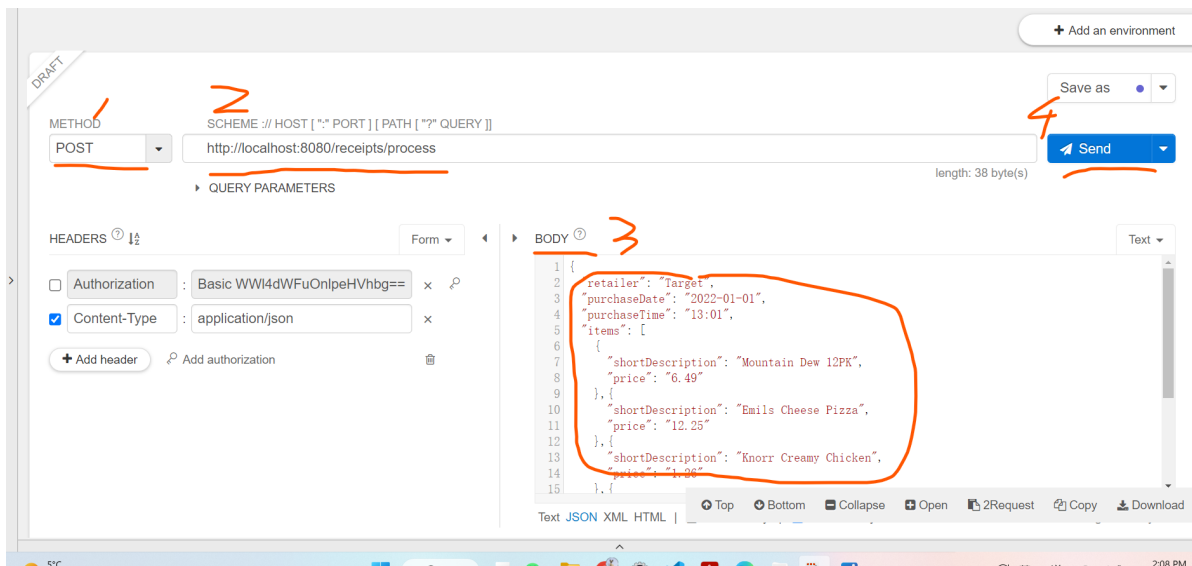
Then we can find the Response below with generated ID of the Receipt we've posted.
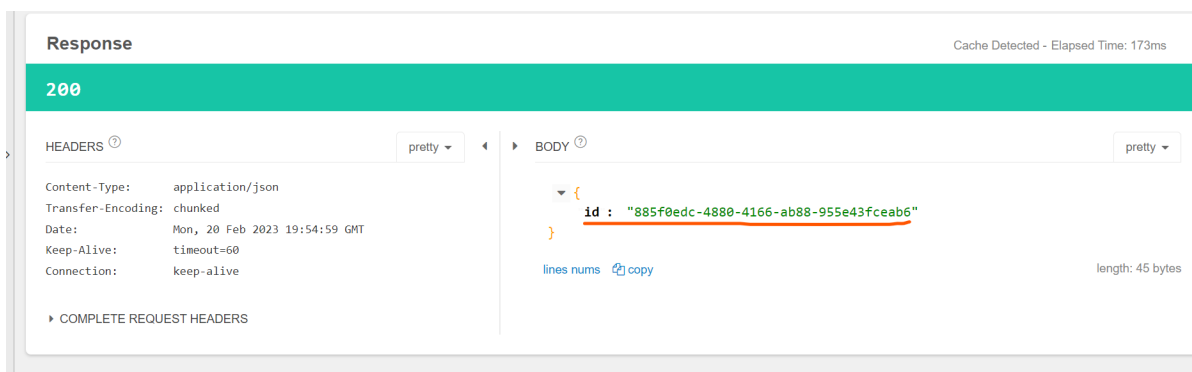
Copy the Id and paste it in the position below then click **Send**, then we get **{"points ": "xx" }** below in the response body.