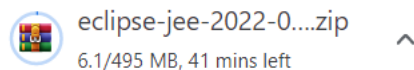
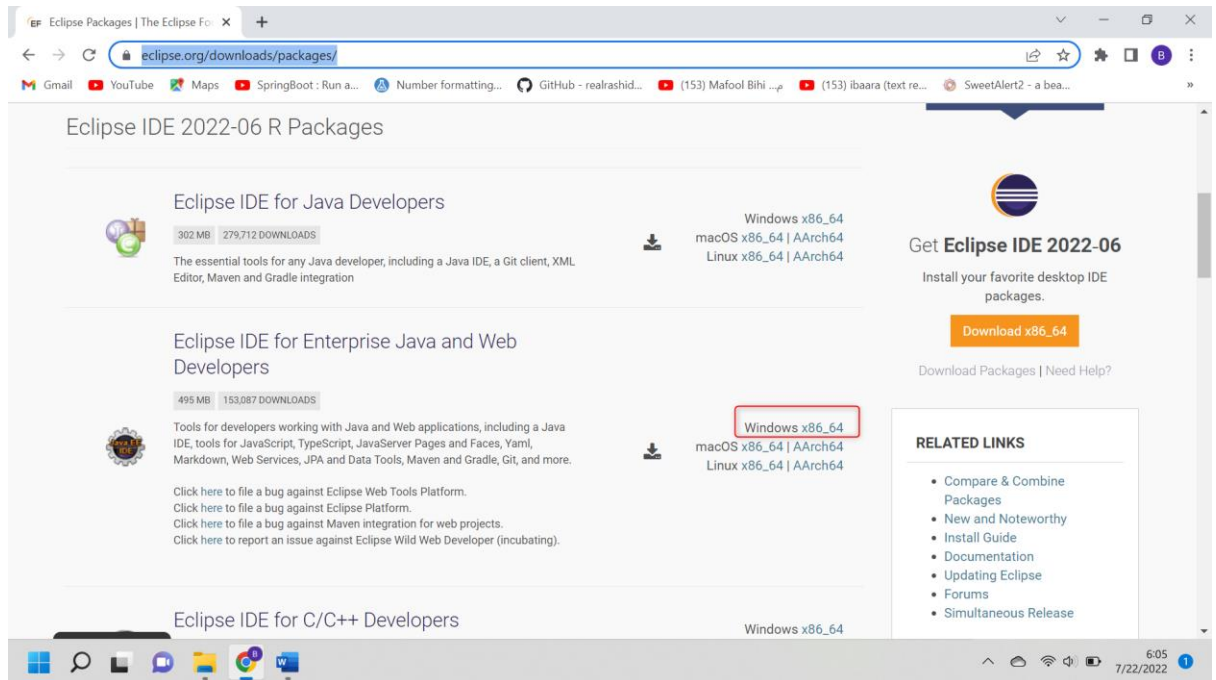


## Apendiks B

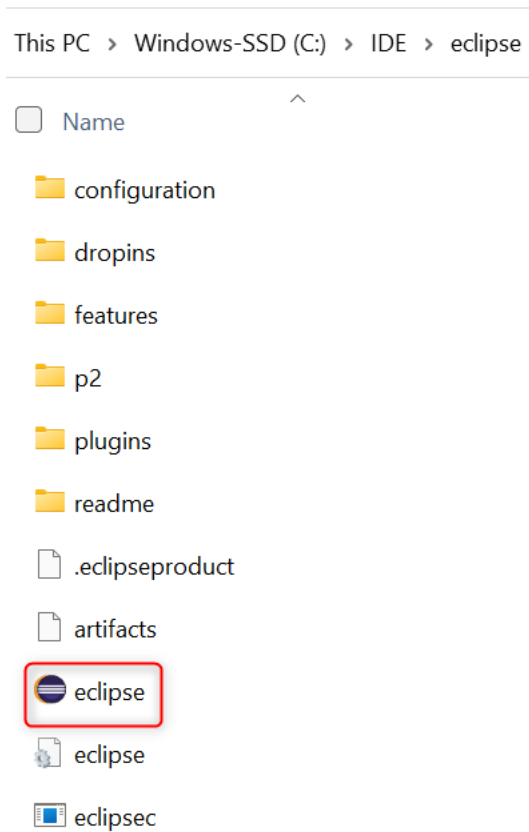
# Instalasi dan Konfigurasi Eclipse IDE

### Instalasi Eclipse

1. Kunjungi website eclipse berikut. <https://www.eclipse.org/downloads/packages/>



2. Untuk instalasi Eclipse cukup dengan meng-extract file zip yang didownload ke satu folder.



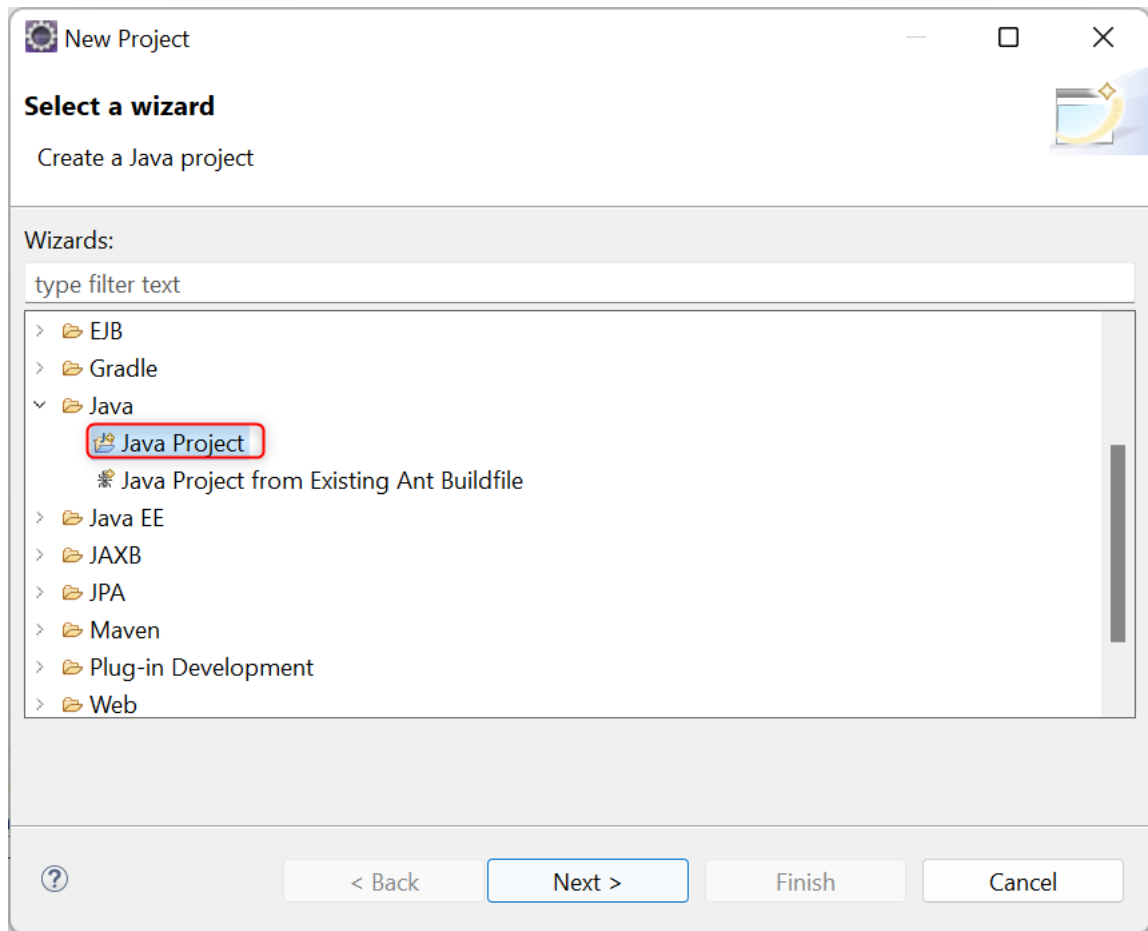
3. Untuk menjalankan Eclipse, click dua kali pada file eclipse.exe



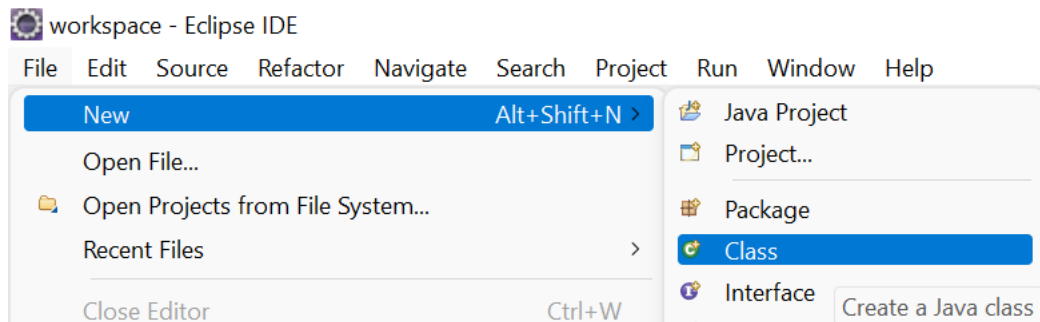
4. Gunakan workspace default, atau pilih folder untuk workspace yang sesuai.

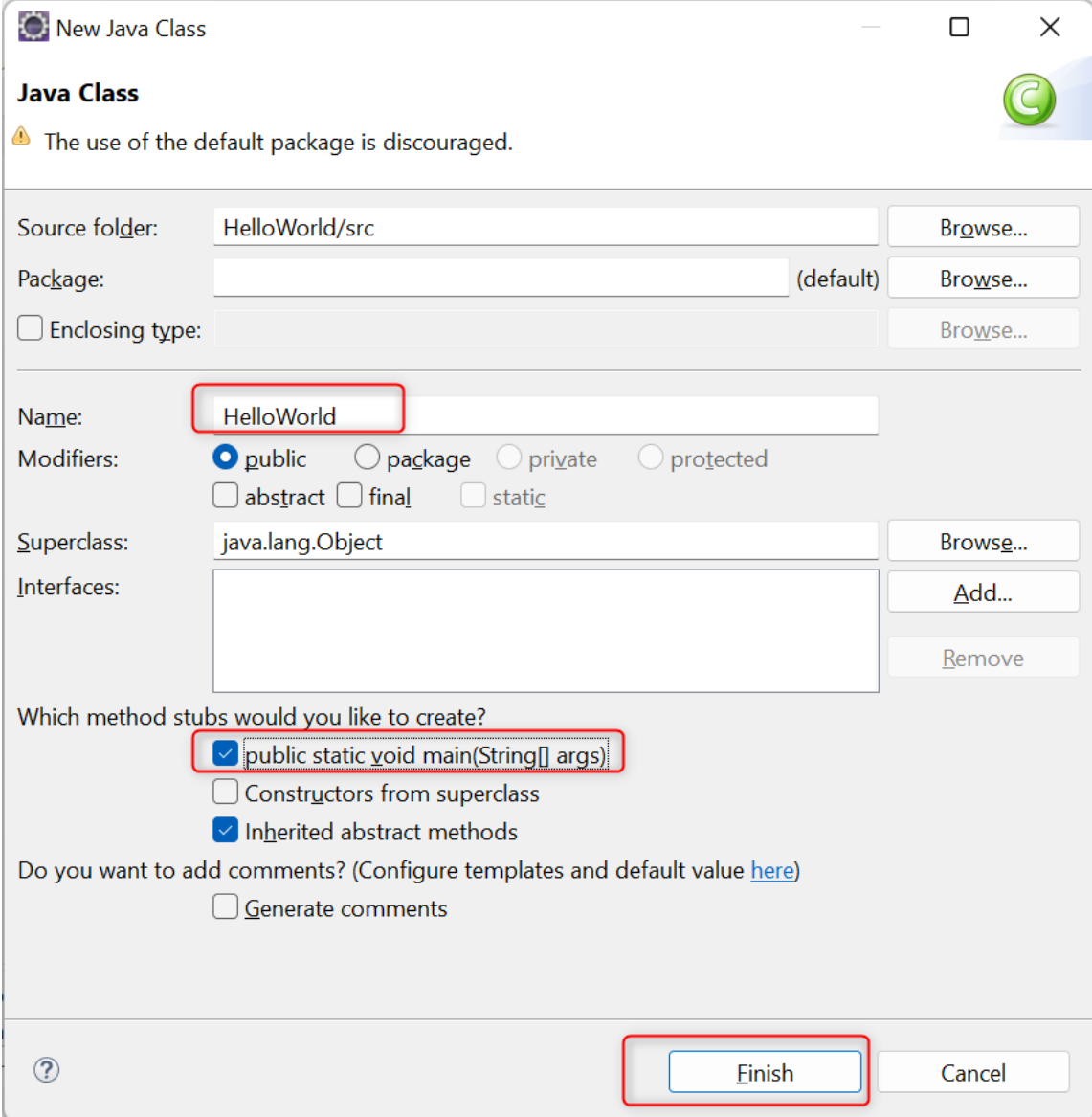
## **Membuat Aplikasi Java (Console)**

1. Membuat aplikasi Java (console). Dari File > New > Other kemudian pilih Java Project



## 2. Buat Class, HelloWorld



The image shows the 'New Java Class' dialog box in an IDE. It has a title bar with a question mark icon, a maximize button, and a close button. The main title is 'Java Class'. Below it is a warning icon and text: 'The use of the default package is discouraged.' The dialog is divided into several sections. The 'Source folder:' section has a text field containing 'HelloWorld/src' and a 'Browse...' button. The 'Package:' section has a text field that is empty, with '(default)' to its right, and a 'Browse...' button. The 'Enclosing type:' section has a checkbox that is unchecked and a 'Browse...' button. The 'Name:' section has a text field containing 'HelloWorld', which is highlighted with a red rectangle. The 'Modifiers:' section has radio buttons for 'public' (selected), 'package', 'private', and 'protected', and checkboxes for 'abstract', 'final', and 'static'. The 'Superclass:' section has a text field containing 'java.lang.Object' and a 'Browse...' button. The 'Interfaces:' section has a text field that is empty, with 'Add...' and 'Remove' buttons to its right. The 'Which method stubs would you like to create?' section has a checkbox for 'public static void main(String[] args)' (selected and highlighted with a red rectangle), a checkbox for 'Constructors from superclass', and a checkbox for 'Inherited abstract methods'. The 'Do you want to add comments?' section has a checkbox for 'Generate comments'. At the bottom, there is a 'Finish' button (highlighted with a red rectangle) and a 'Cancel' button.

**New Java Class**

**Java Class**

⚠ The use of the default package is discouraged.

Source folder: HelloWorld/src Browse...

Package: (default) Browse...

☐ Enclosing type: Browse...

Name: HelloWorld

Modifiers: ☒ public ☐ package ☐ private ☐ protected  
☐ abstract ☐ final ☐ static

Superclass: java.lang.Object Browse...

Interfaces: Add...  
Remove

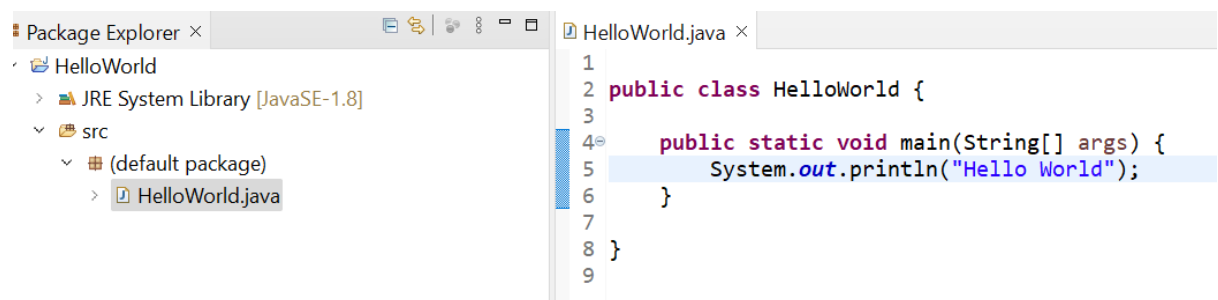
Which method stubs would you like to create?

☒ public static void main(String[] args)  
☐ Constructors from superclass  
☒ Inherited abstract methods

Do you want to add comments? (Configure templates and default value [here](#))  
☐ Generate comments

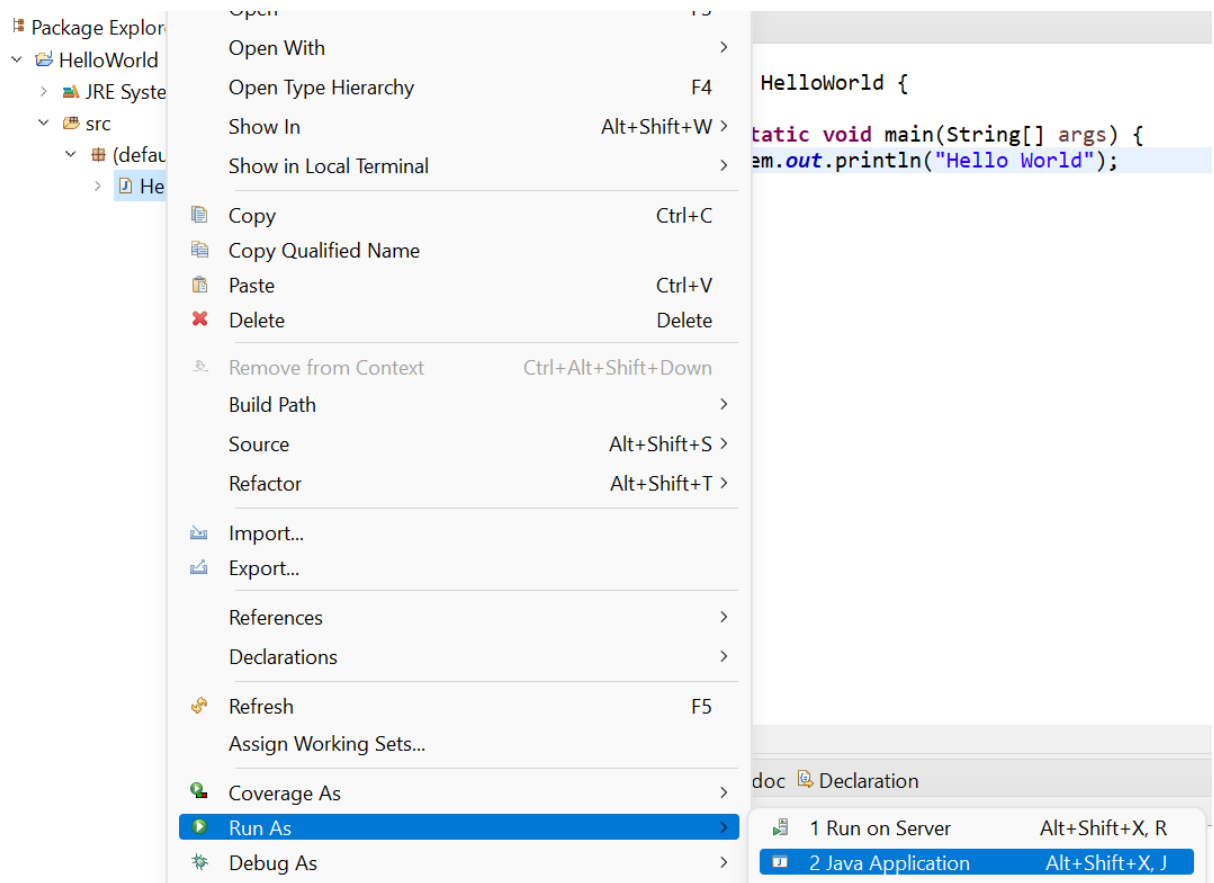
? Finish Cancel

3. Isi method main dengan perintah untuk menampilkan Hello World ke console.

The image shows an IDE window with the 'Package Explorer' on the left and the 'HelloWorld.java' file open in the editor. The 'Package Explorer' shows a project named 'HelloWorld' with a 'src' folder containing a file named 'HelloWorld.java'. The editor shows the following code:

```
1 public class HelloWorld {  
2  
3  
4     public static void main(String[] args) {  
5         System.out.println("Hello World");  
6     }  
7 }  
8  
9
```

4. Eksekusi file HelloWorld



## Konfigurasi Tomcat Server

1. Download file Tomcat dari, <https://tomcat.apache.org/download-80.cgi>

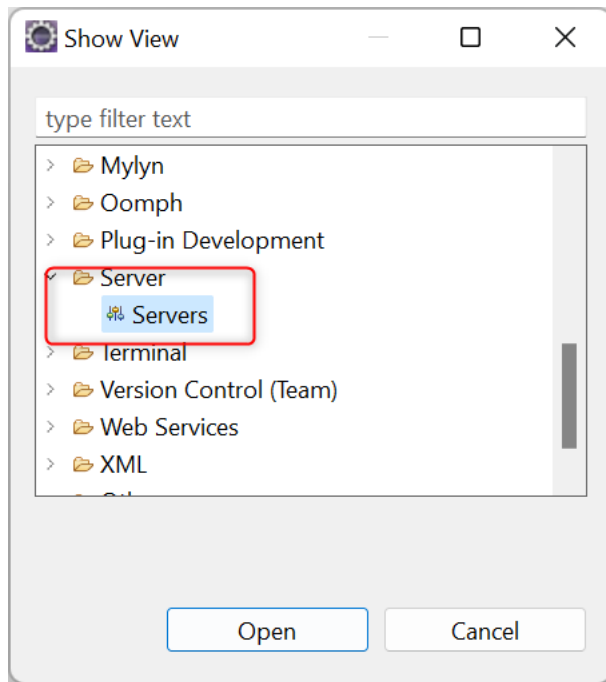
8.5.81

Please see the [README](#) file for packaging information. It explains what eve

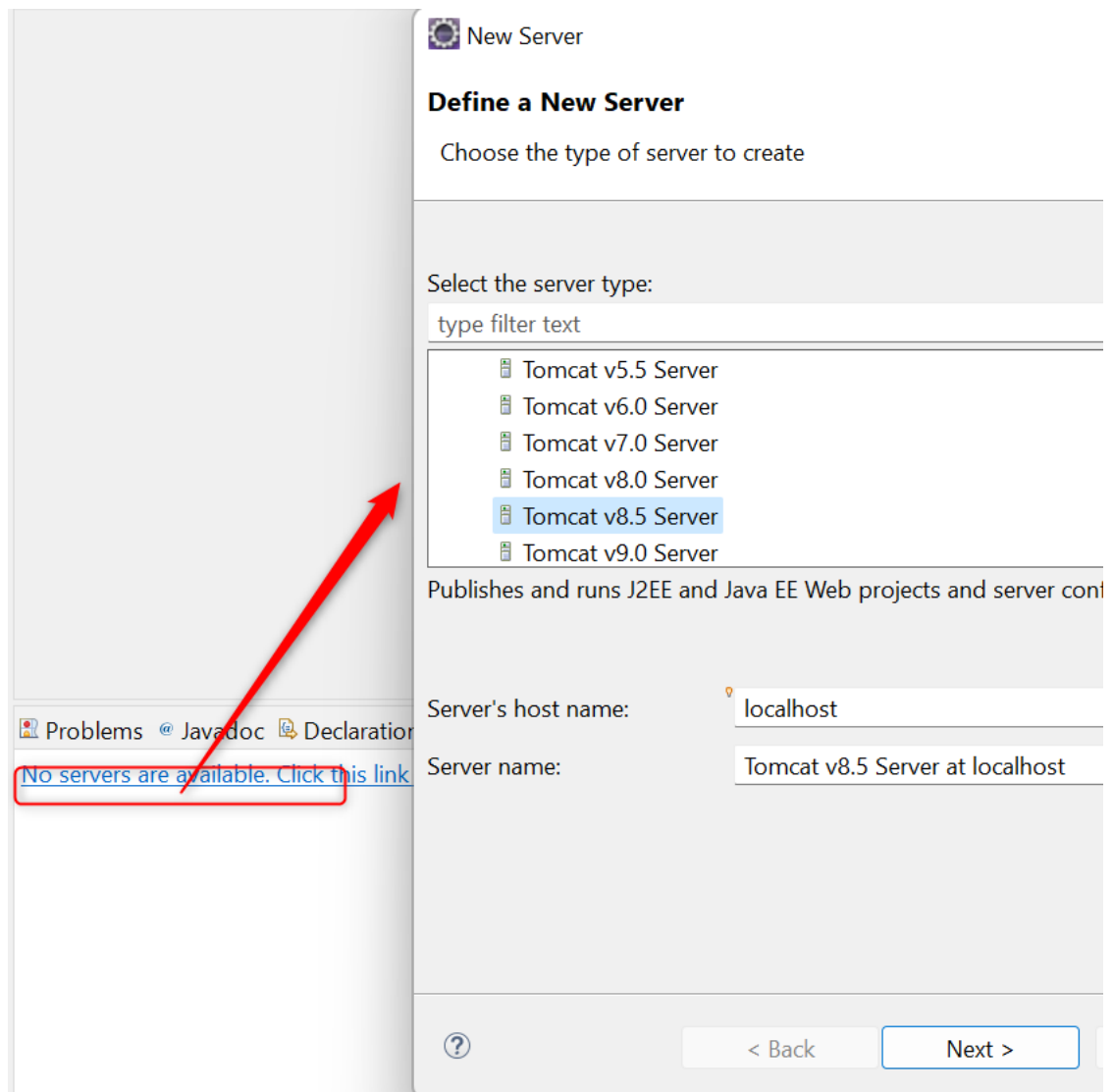
### Binary Distributions

- Core:
  - [zip](#) ([pgp](#), [sha512](#))
  - [tar.gz](#) ([pgp](#), [sha512](#))
  - [32-bit Windows zip](#) ([pgp](#), [sha512](#))
  - [64-bit Windows zip](#) ([pgp](#), [sha512](#))
  - [32-bit/64-bit Windows Service Installer](#) ([pgp](#), [sha512](#))

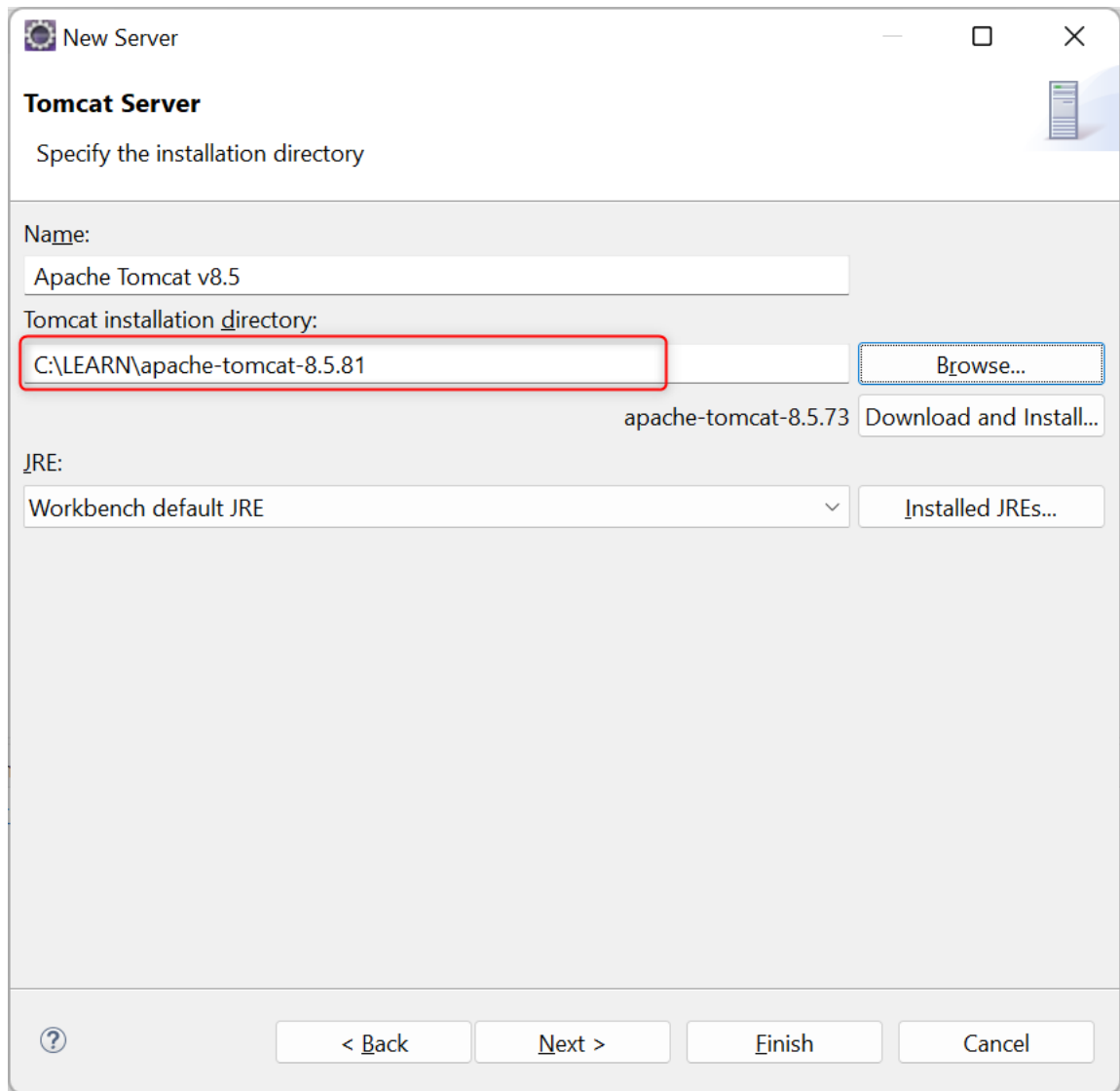
2. Extract zip file yang di-download ke satu lokasi folder.
3. Pada eclipse, click Window > Show View > Other > Server > Servers kemudian click Open



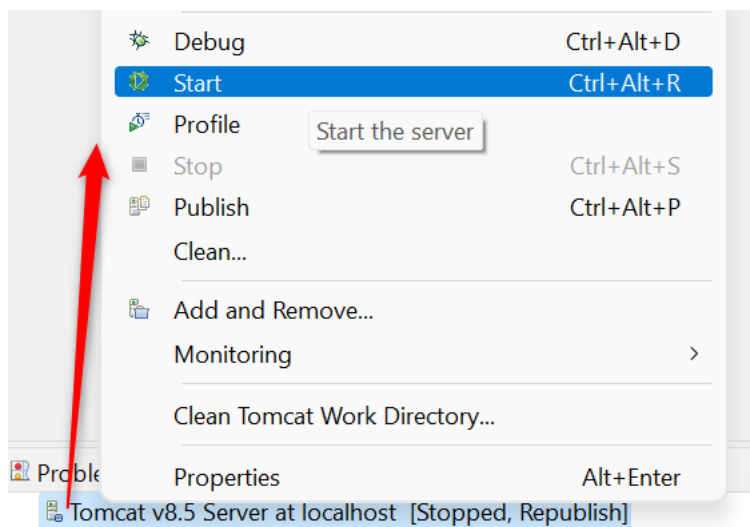
4. Pada tab Servers yang muncul di bagian bawah, lakukan langkah berikut



5. Klik Next, kemudian sesuaikan lokasi directory Tomcat dengan lokasi ekstraksi file zip Tomcat sebelumnya. Finsih.



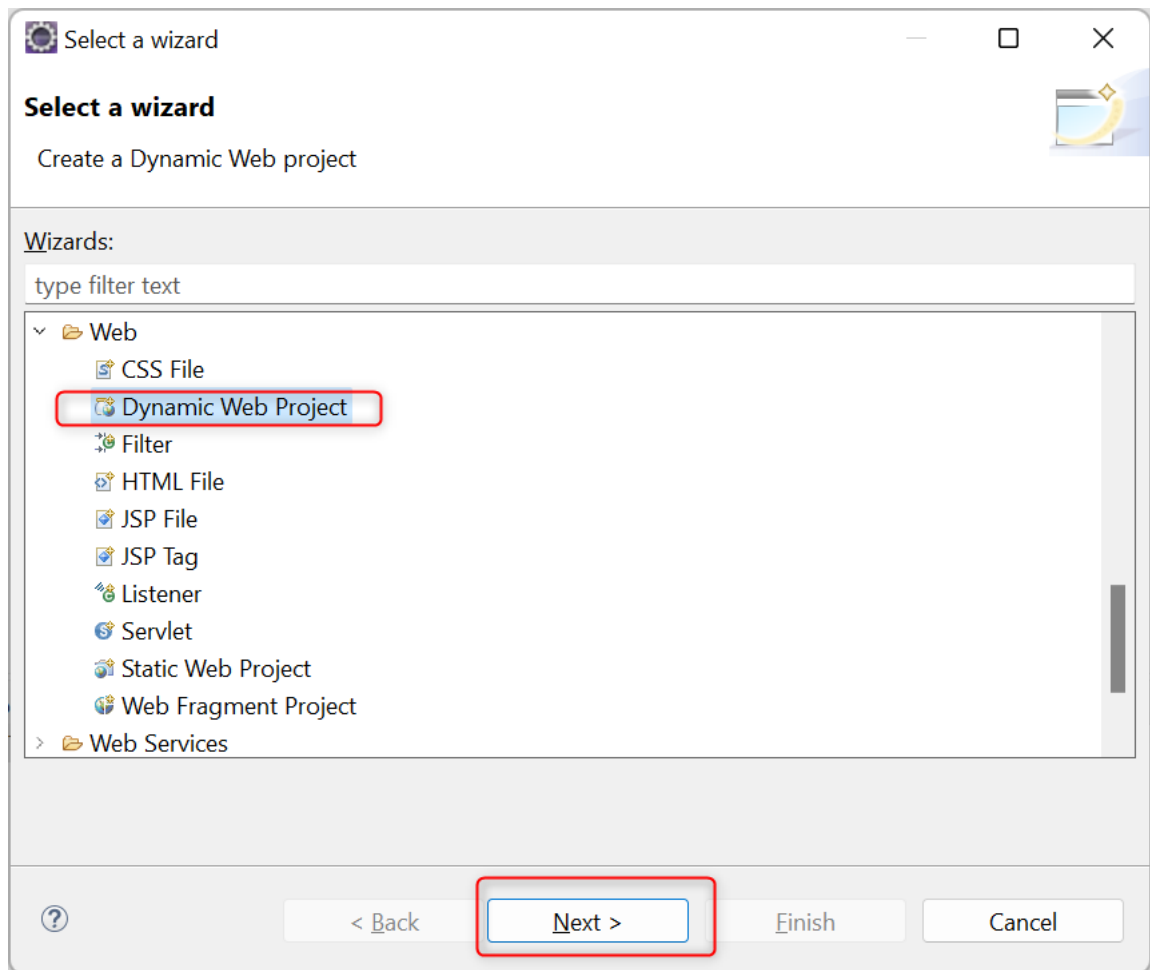
6. Untuk menjalankan Tomcat, click kanan pada Tomcat Server kemudian Start



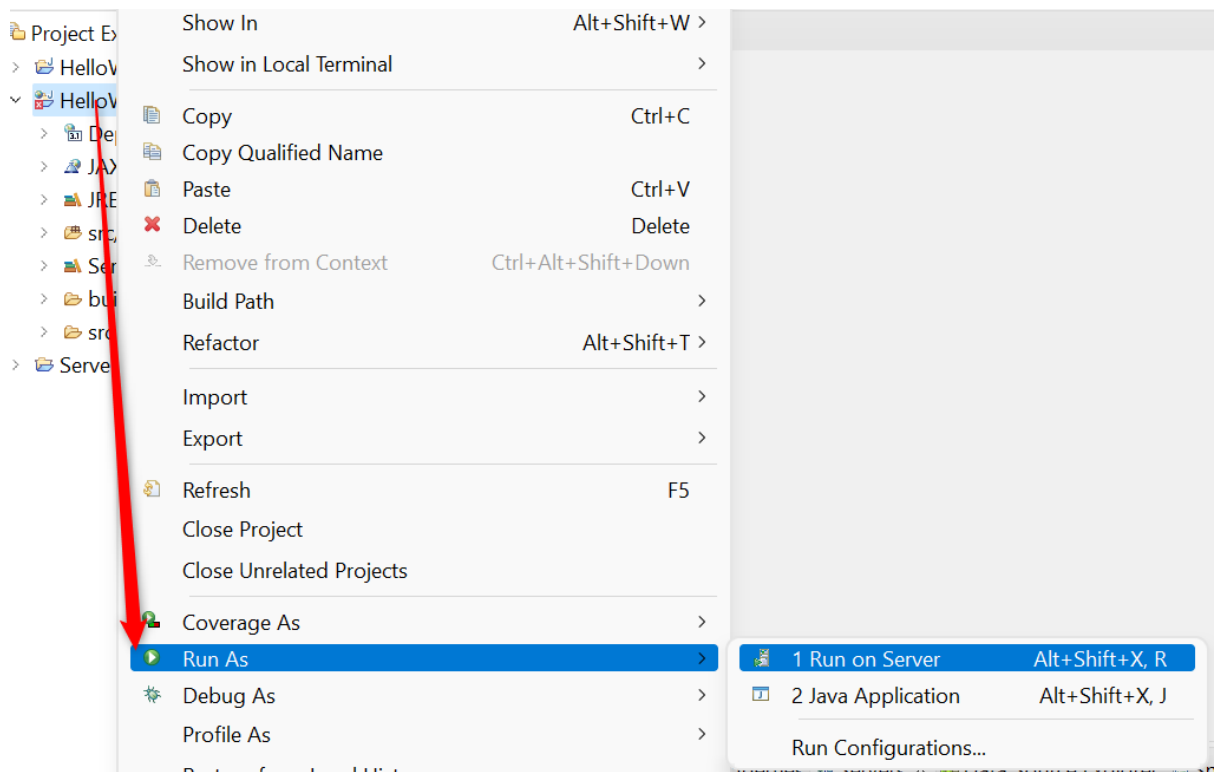


## Membuat Java Web Application

1. File > Project > Other > Web > Dynamic Web Project
- 2.

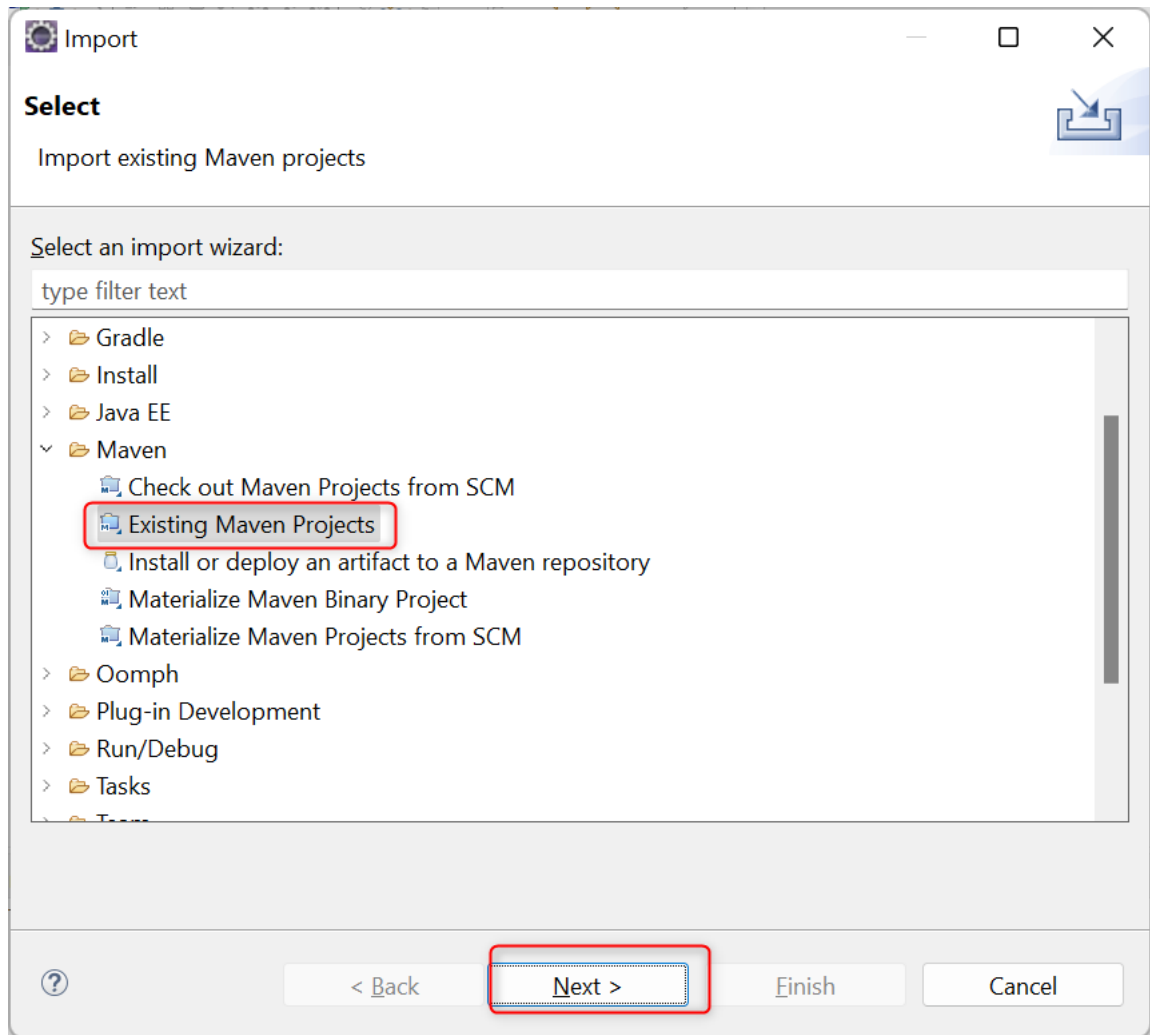


3. Beri nama project,
  - ✓ HelloWorldWeb
    - > Deployment Descriptor: HelloWorldWeb
    - > JAX-WS Web Services
    - > JRE System Library [jre]
    - > src/main/java
    - > Server Runtime [Apache Tomcat v8.5]
    - > build
    - > src
4. Menjalankan aplikasi Web dalam Tomcat. Klik kanan pada project, kemudian pilih Run As > Run on Server

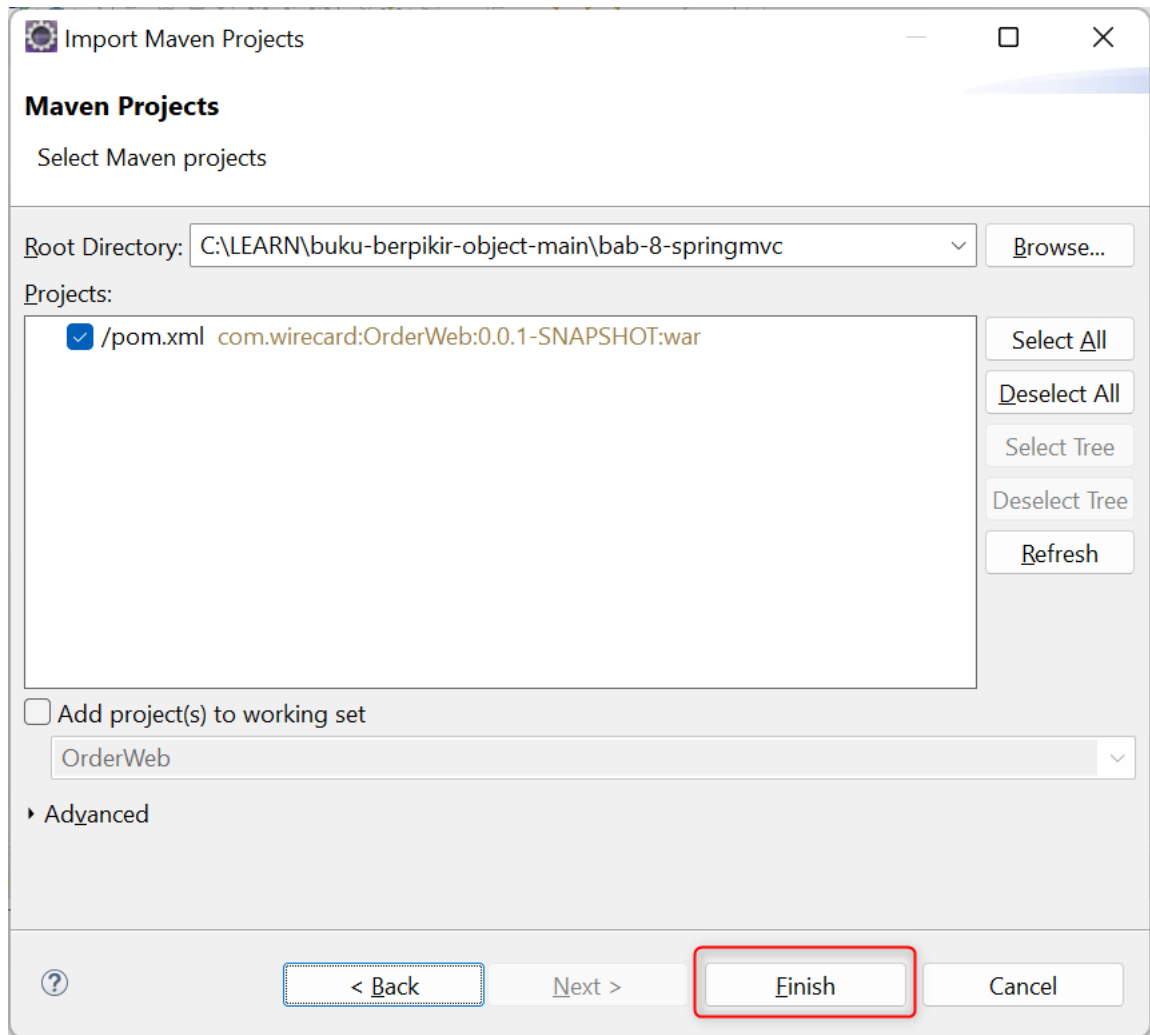


## Import Project Maven ke dalam Eclipse

1. Download file dari <https://github.com/budimanbeta/buku-berpikir-object>
2. Extract ke dalam satu folder
3. Dari Eclipse, File > Import > Maven > Existing Maven Projects kemudian Next



4. Pilih lokasi project maven yang akan diimport, kemudian Finish



5. Setelah Maven selesai mengimport semua dependency yang diperlukan, Anda dapat menjalankan program dengan Klik kanan project > Run > Run on Server