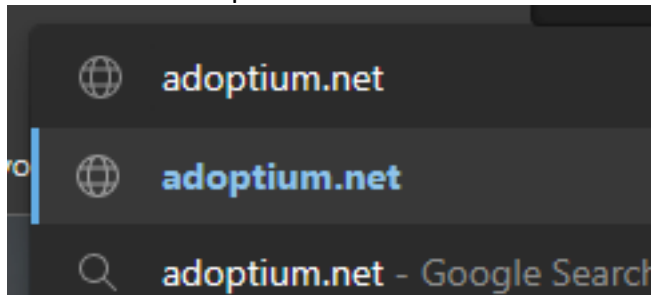# Windows

1. Go to adoptium.net


2. Click "Other platform's and versions:

Prebuilt OpenJDK Binaries for Free!

Java™ is the world's leading programming language and platform. The Adoptium Working Group promotes and supports high-quality, TCK certified runtimes and associated technology for use across the Java ecosystem. Eclipse Temurin is the name of the OpenJDK distribution from Adoptium.

Download Temurin™ for Windows x64

⬇ **Latest LTS Release**
jdk-17.0.6+10

Other platforms and versions ➔

Release Archive 🗄
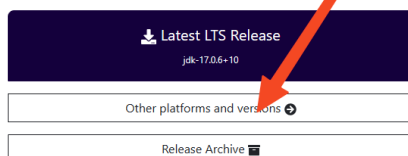
3. Download the msi installer for OpenJDK 17. Must be JDK 17.
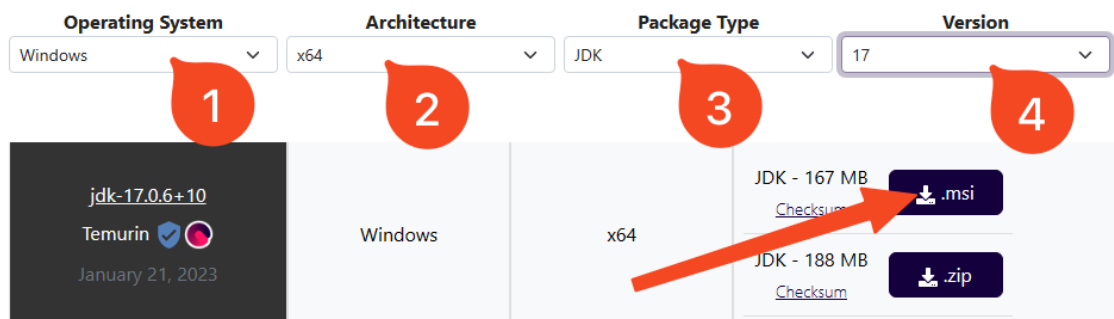
4. Install the downloaded msi file. Follow on screen prompts. **Take note of the installation location displayed in the installer. You will need this later. Ensure that Set JAVA_HOME variable is enabled.**
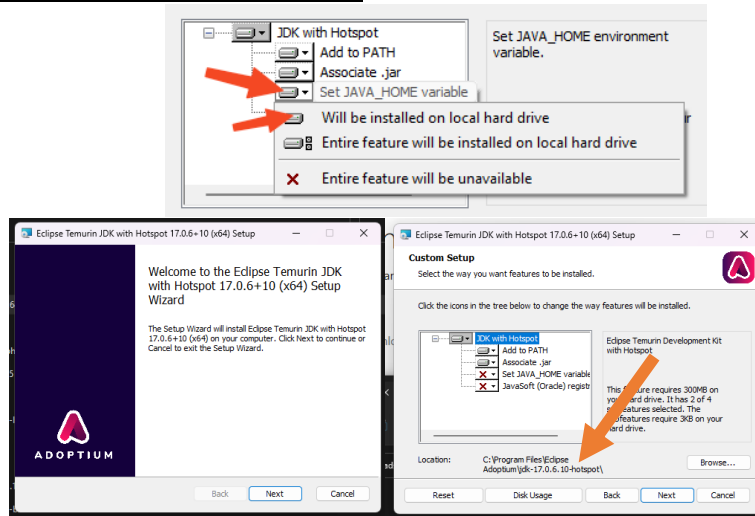
5. **If you have not installed Netbeans 17 on your machine before, follow this step, otherwise go to step 6.** Download and install Apache Netbeans 17 if you have not already. You can obtain it from (https://netbeans.apache.org/download/nb17/) **During the installation process it will ask you which JDK to use**, ensure that it is set to the same location displayed in step 4.
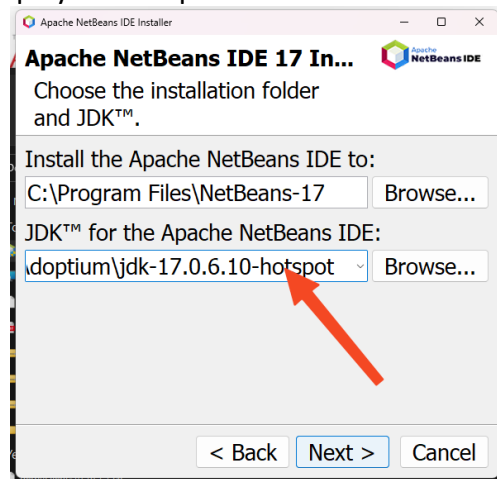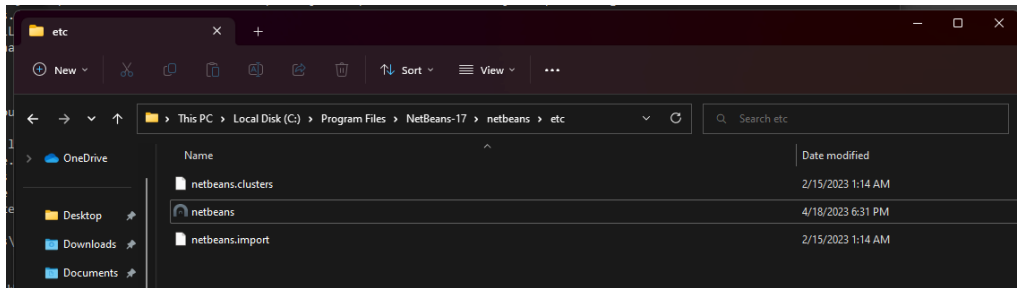

6. **Close Apache Netbeans completely if it is open.**

7. In windows file explorer go to the following path.
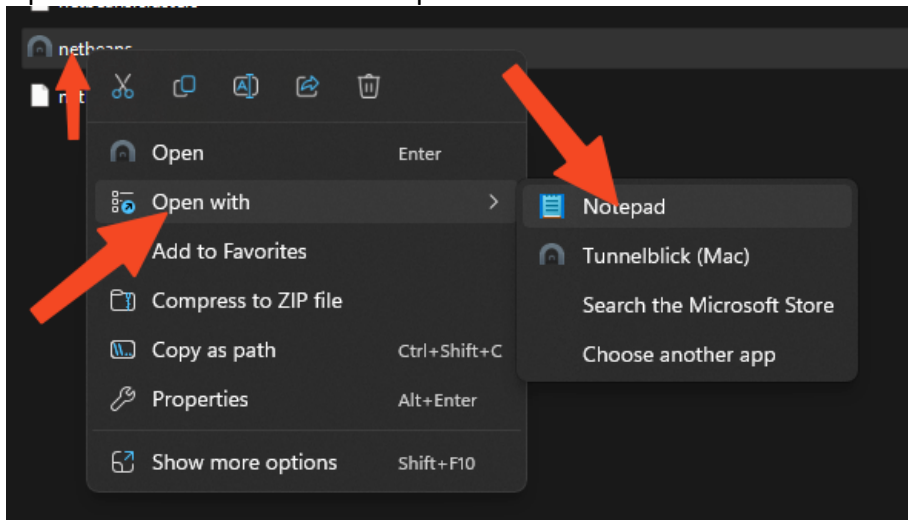
   C:\Program Files\NetBeans-17\netbeans\etc
   OR
   C:\Program Files (x86)\NetBeans-17\netbeans\etc

8. Open netbeans.conf file in notepad.

9. Scroll down in notepad and verify the following:

```
# Default location of JDK:
# (set by installer or commented out if launcher should decide)
#
# It can be overridden on command line by using --jdkhome <dir>
# Be careful when changing jdkhome.
# There are two NetBeans launchers for Windows (32-bit and 64-bit) and
# installer points to one of those in the NetBeans application shortcut
# based on the Java version selected at installation time.
#
netbeans_jdkhome="c:\Program Files\Eclipse Adoptium\jdk-17.0.6.10-hotspot"
```
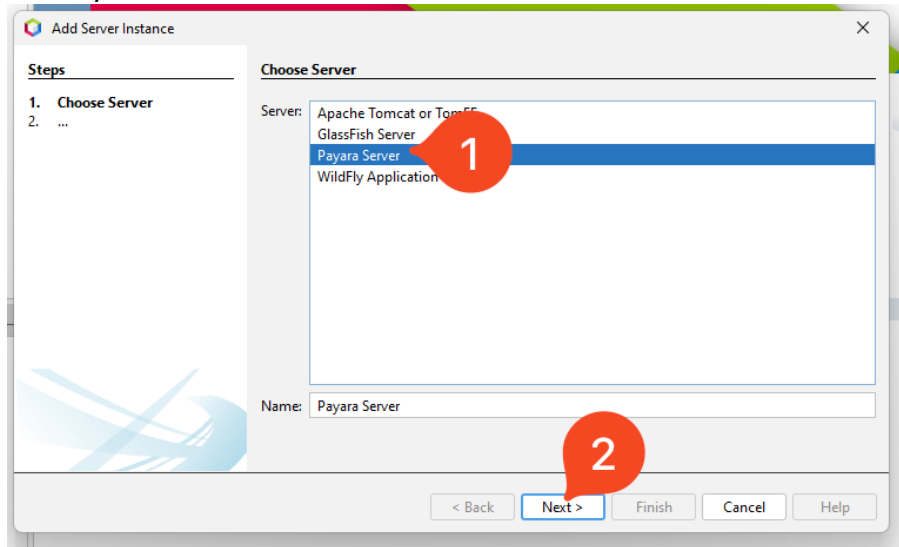
Ensure that netbeans_jdkhome is set to the correct JDK path as shown in step 4.
Ensure that there is no # before netbeans_jdkhome and the path is enclosed in double quotes.

10. Open Netbeans 17 and open the project.
11. Click on services > Servers > (Right click) > Add Server

12. Click on Payara server.

13. Download payara server 6.2023.3. Choose an appropriate installation location. The default is ok. If it complains about not being a valid glassfish installation, delete the Payara_Server folder at the location specified in Installation Location and restart the setup. If it still complains that it is not valid, then steps 1-9 were not followed correctly.
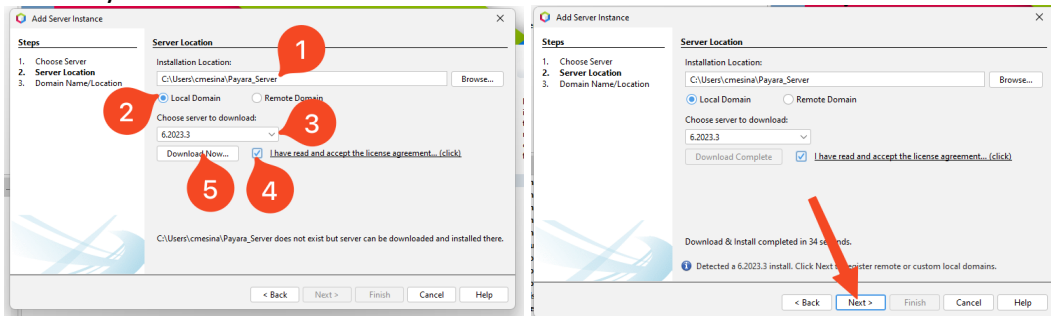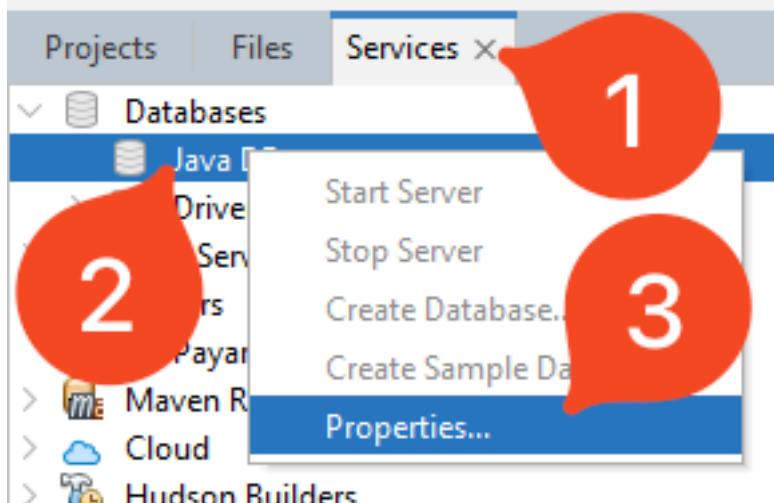

14. Click finish
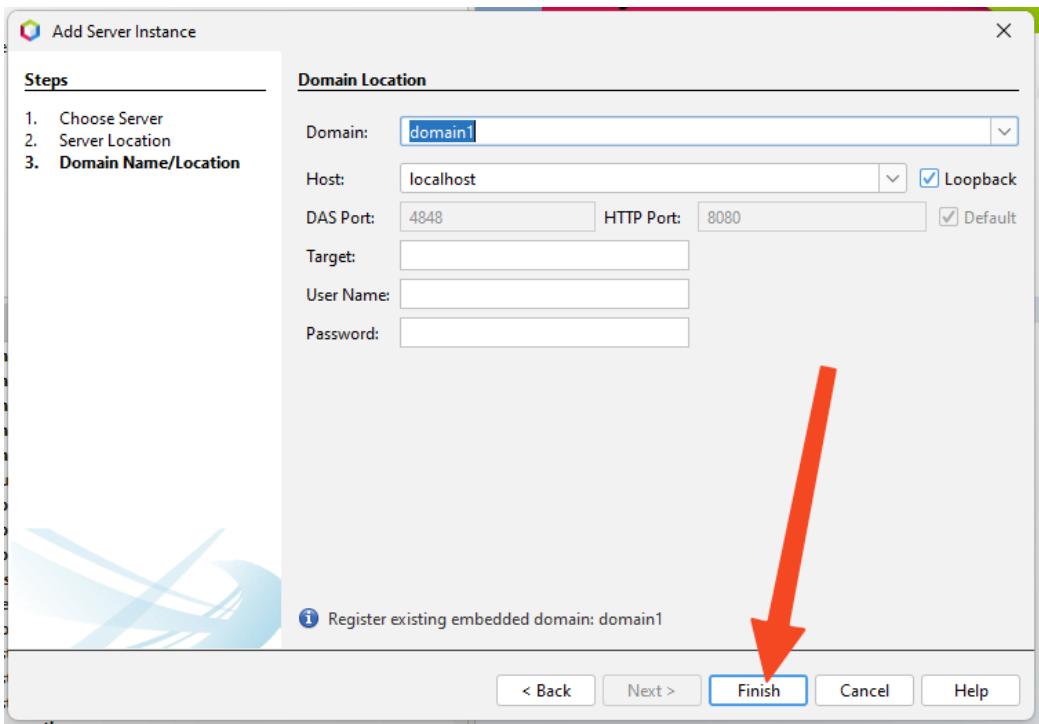
15. Go to this website. https://db.apache.org/derby/releases/release-10.10.2.0.html
16. Download the zip file as indicated in the image below.
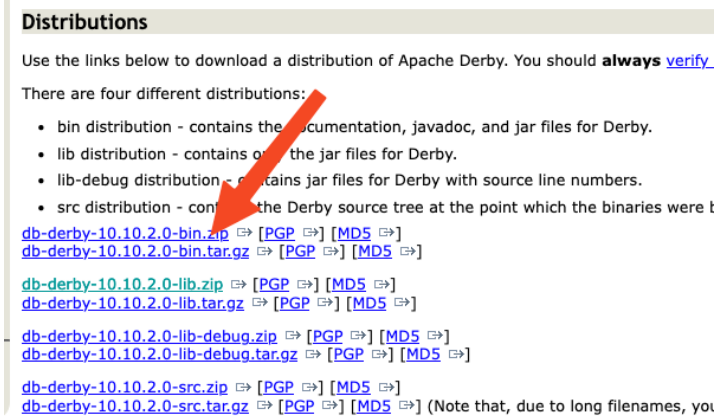
17. Extract the zip file to somewhere where you will not delete it. E.g Documents folder. Take note of this location.
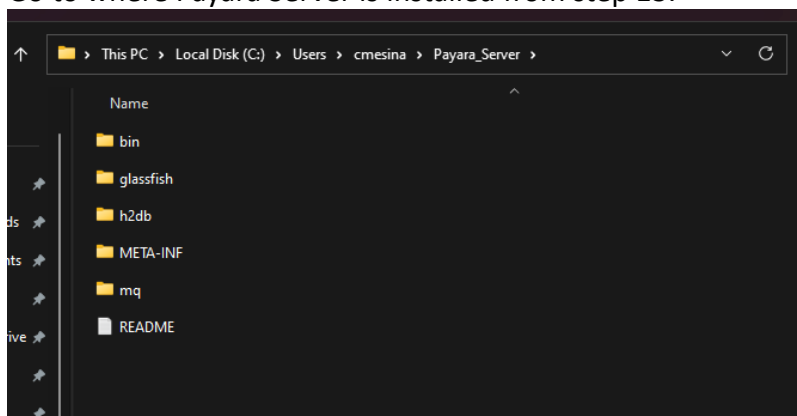18. In netbeans, go to services, Java DB then right click and properties.

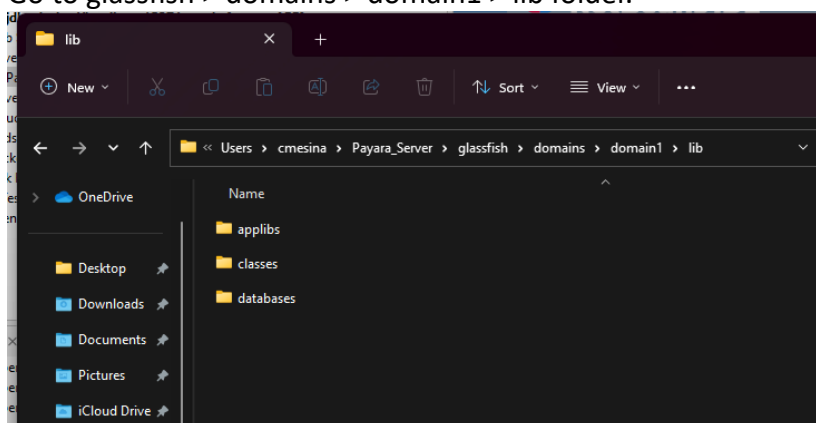19. Select the location of where you extracted apache derby from step 17. Set a database location.
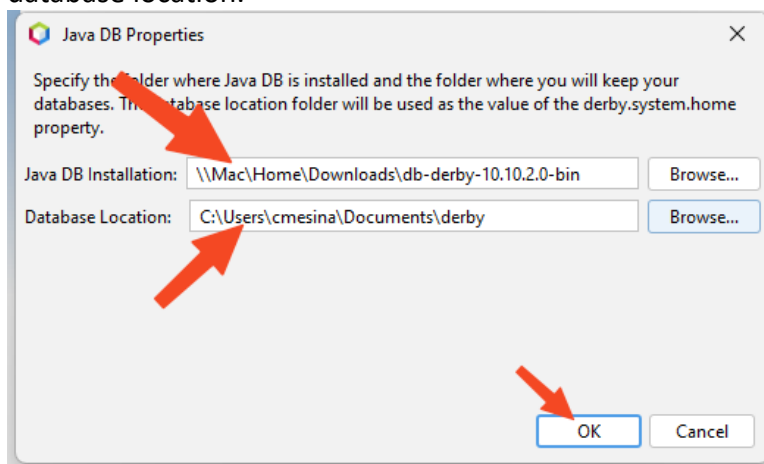
20. Right click java db again and click create database. Ensure database name is iotbaydb. Username is iotbay and password is iotbay.
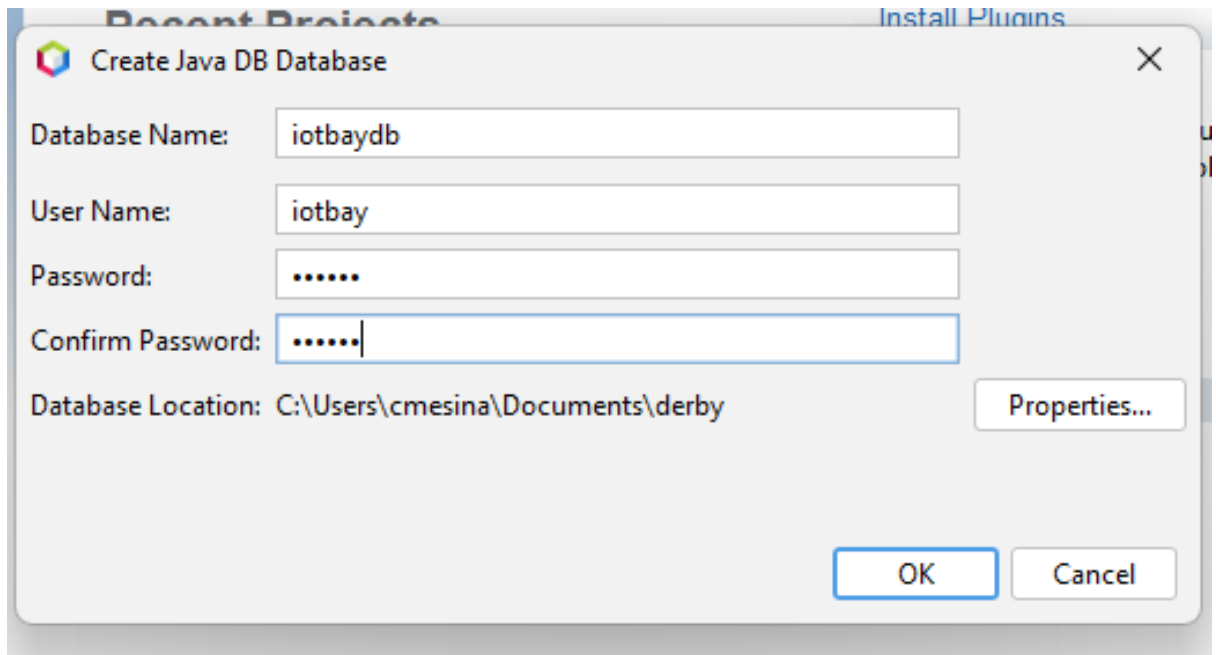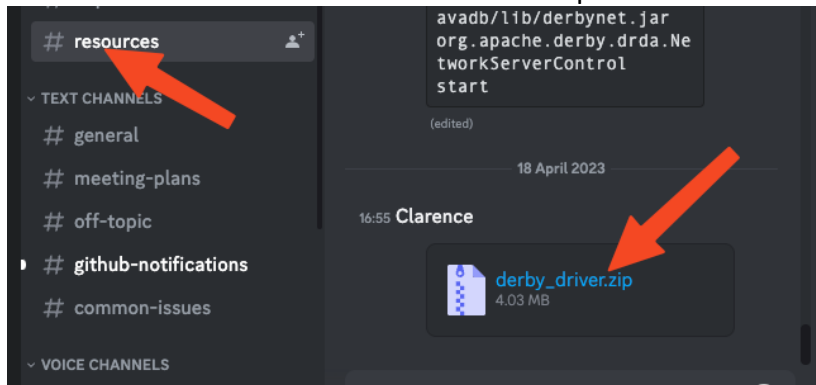
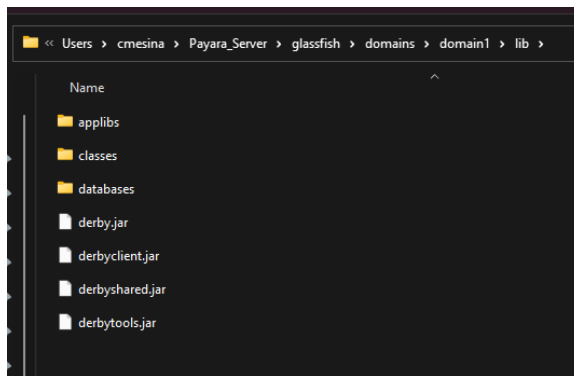21. Go to where Payara Server is installed from step 13.

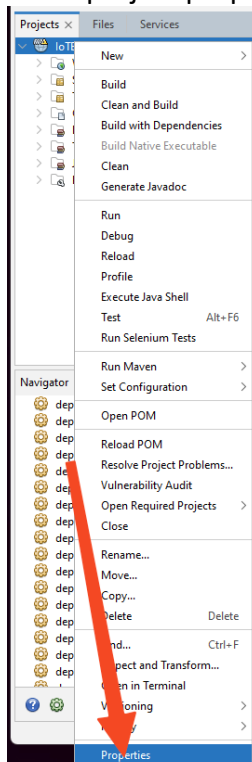22. Go to glassfish > domains > domain1 > lib folder.

23. Download and extract the contents of the zip file to the location in step 21.
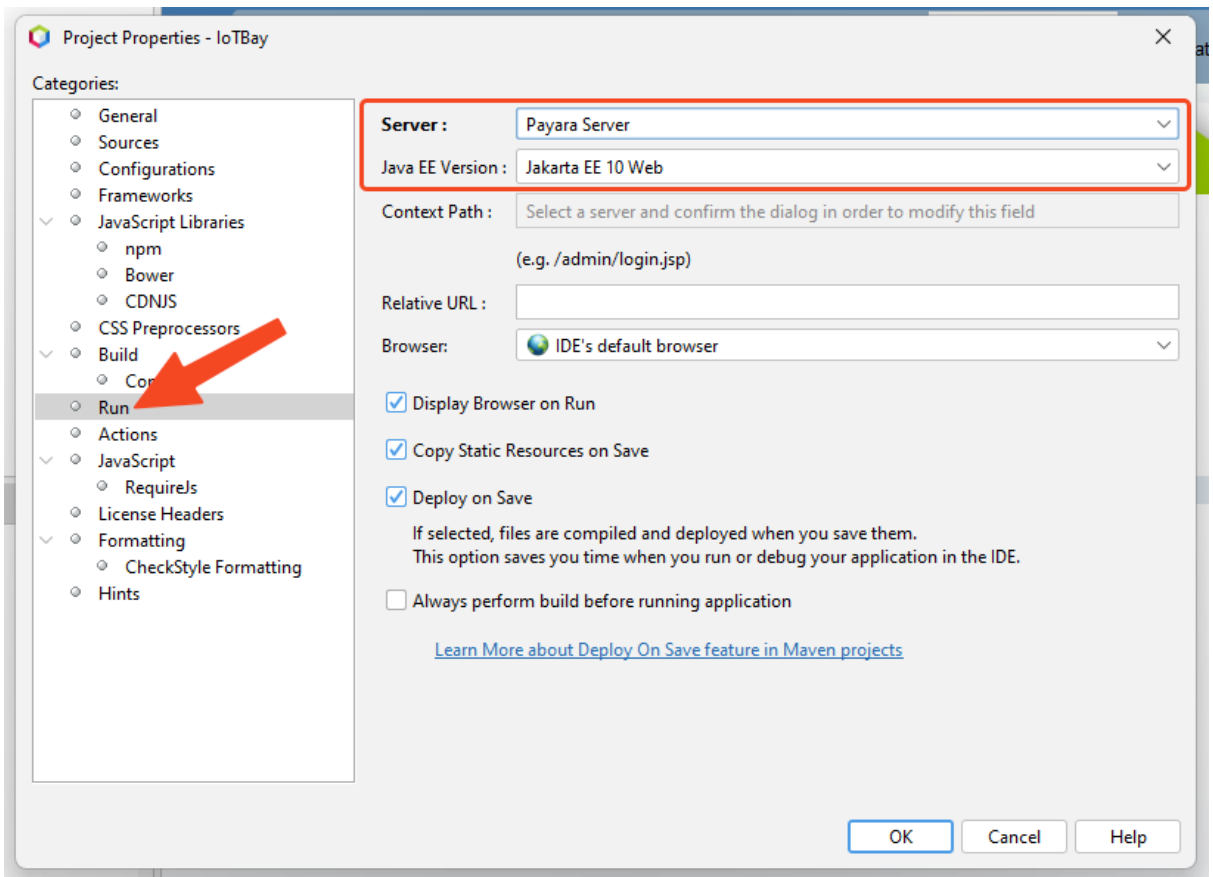

24. The extracted contents should look like this.
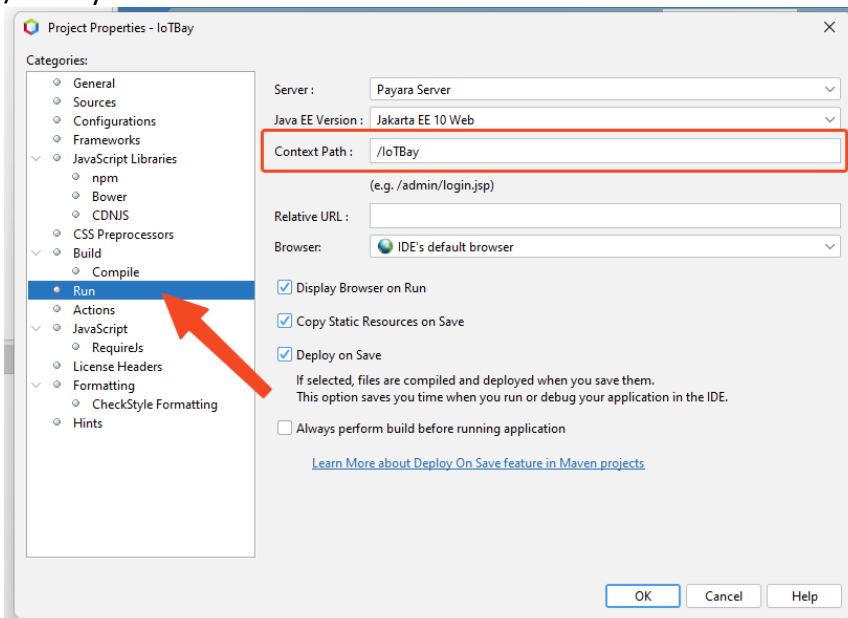

25. Go to project properties in netbeans:

26. Set server to payara server and Java EE version to Jakarta EE 10 Web. Press OK when done.

27. Open the same section displayed in step 25 and verify that Context Path is set to /IoTBay.

28. Create a secrets.properties (skip if already exists) file under WEB-INF directory with the stripe api credentials. These keys are available under https://dashboard.stripe.com/test/apikeys
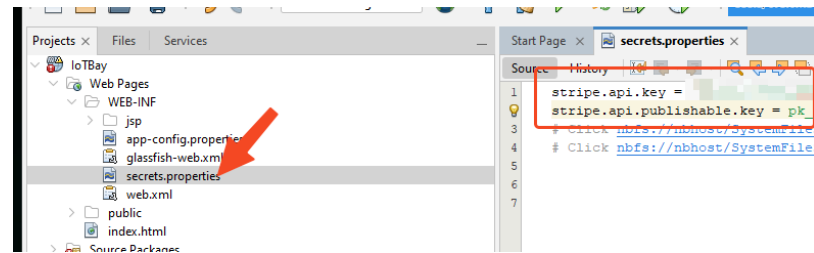
Ensure there is no quotes around the keys.
29. Run the project.