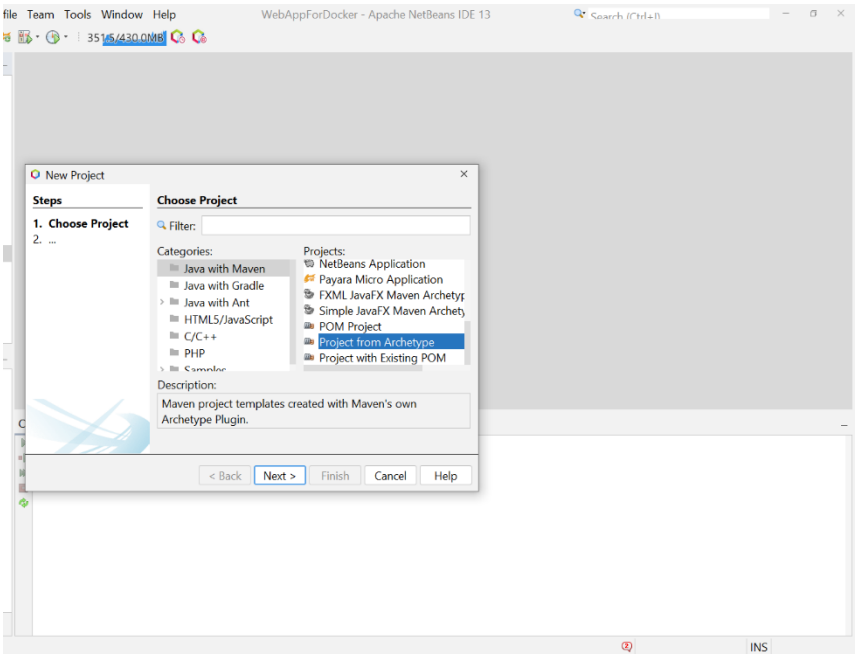
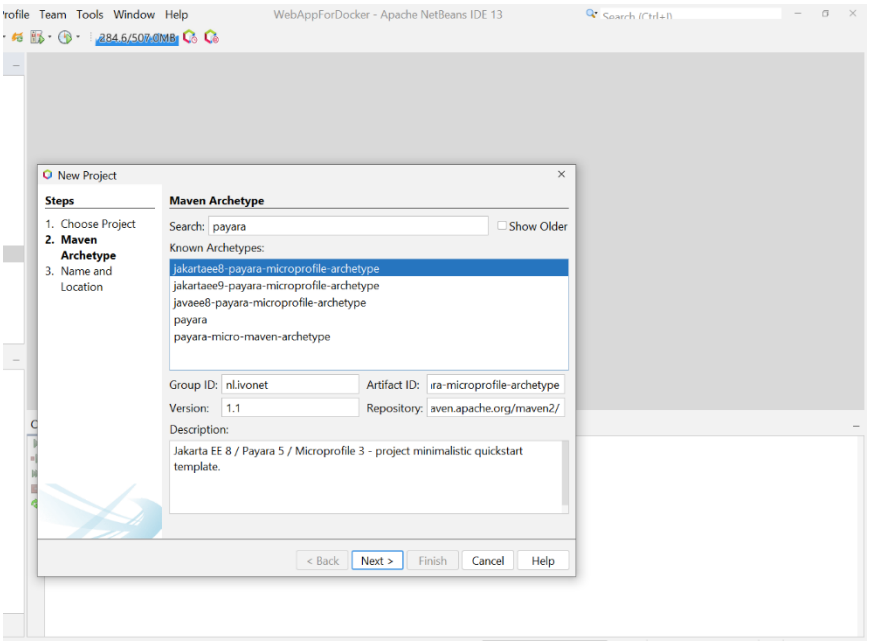
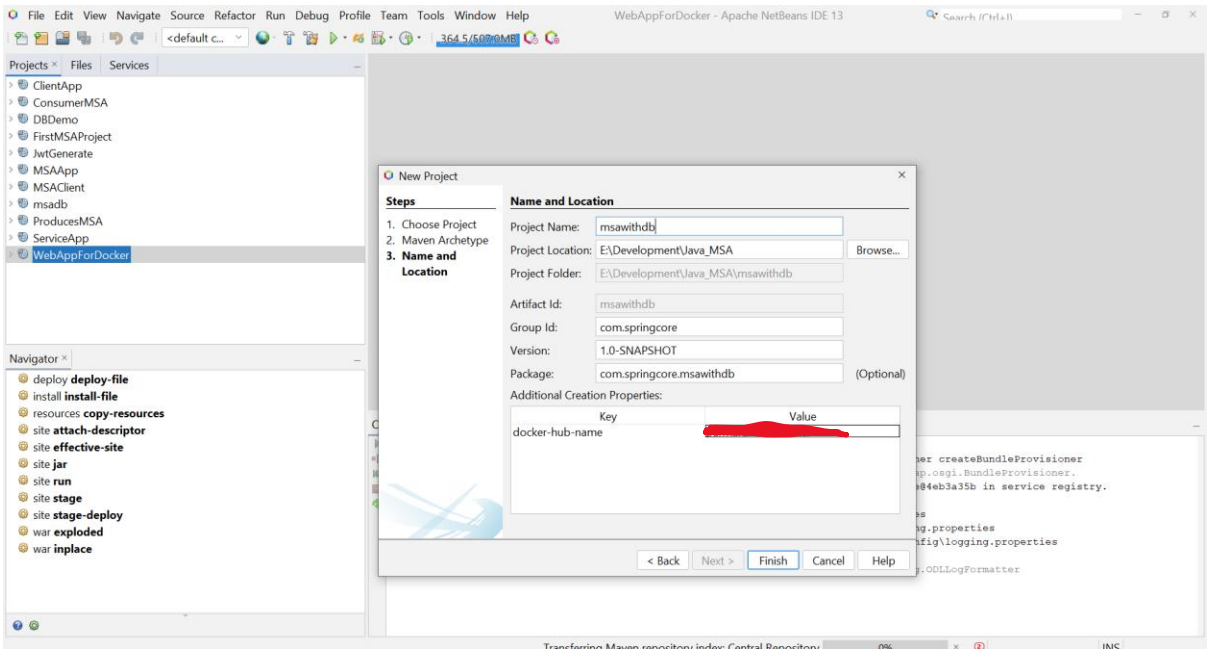
1. Create project



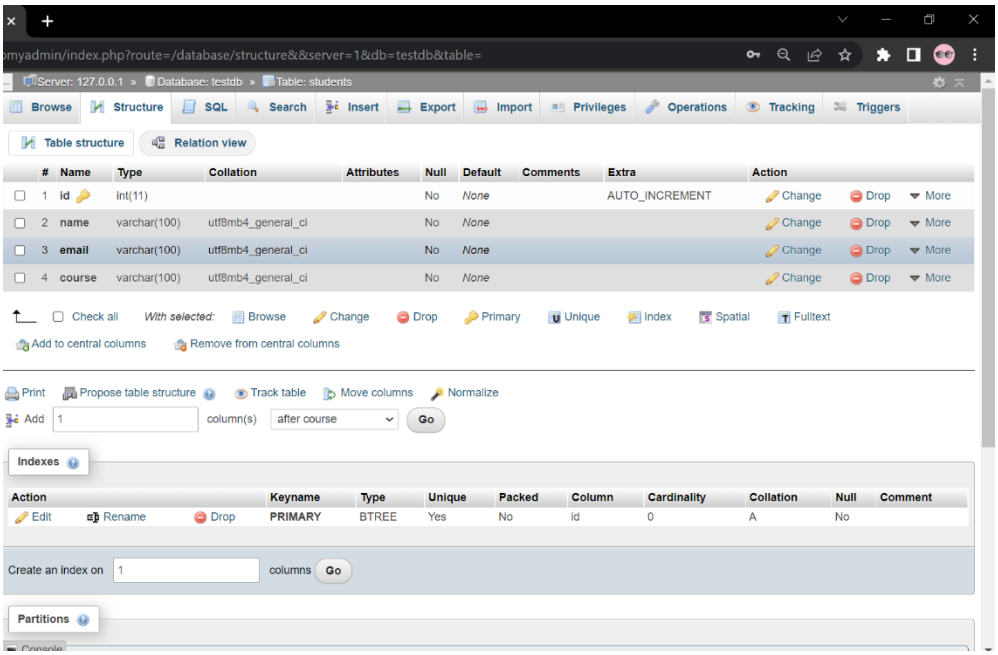
2. Search jakartaee8-payara-microprofile-archetype



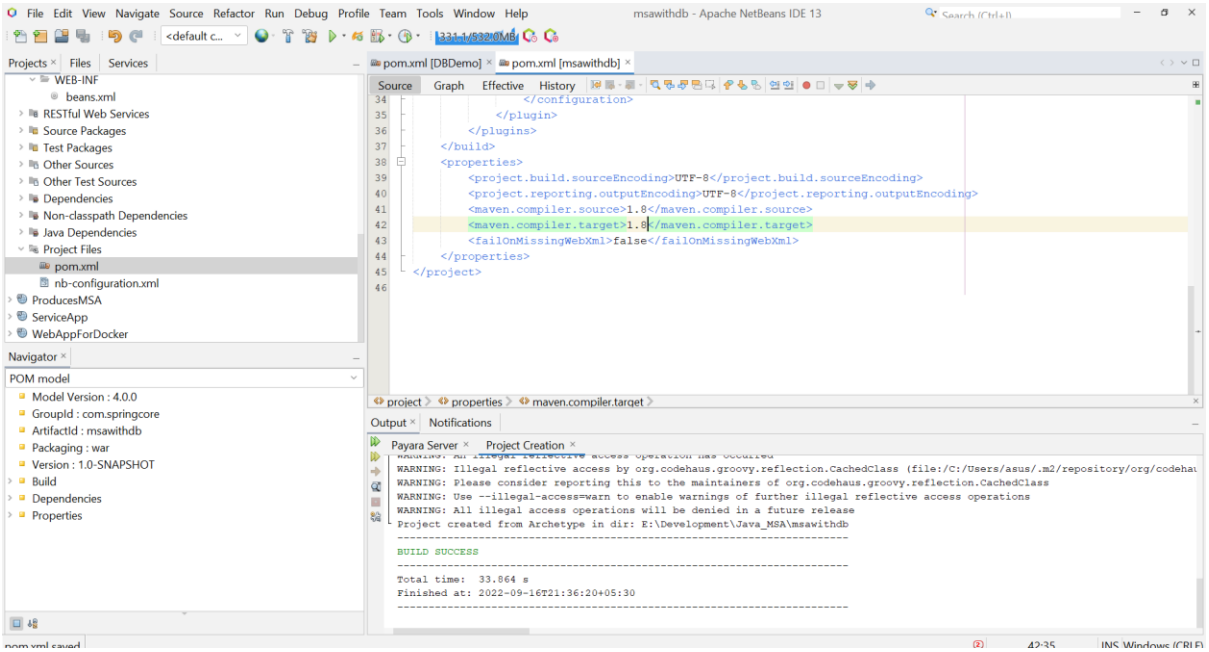
3. Enter project name



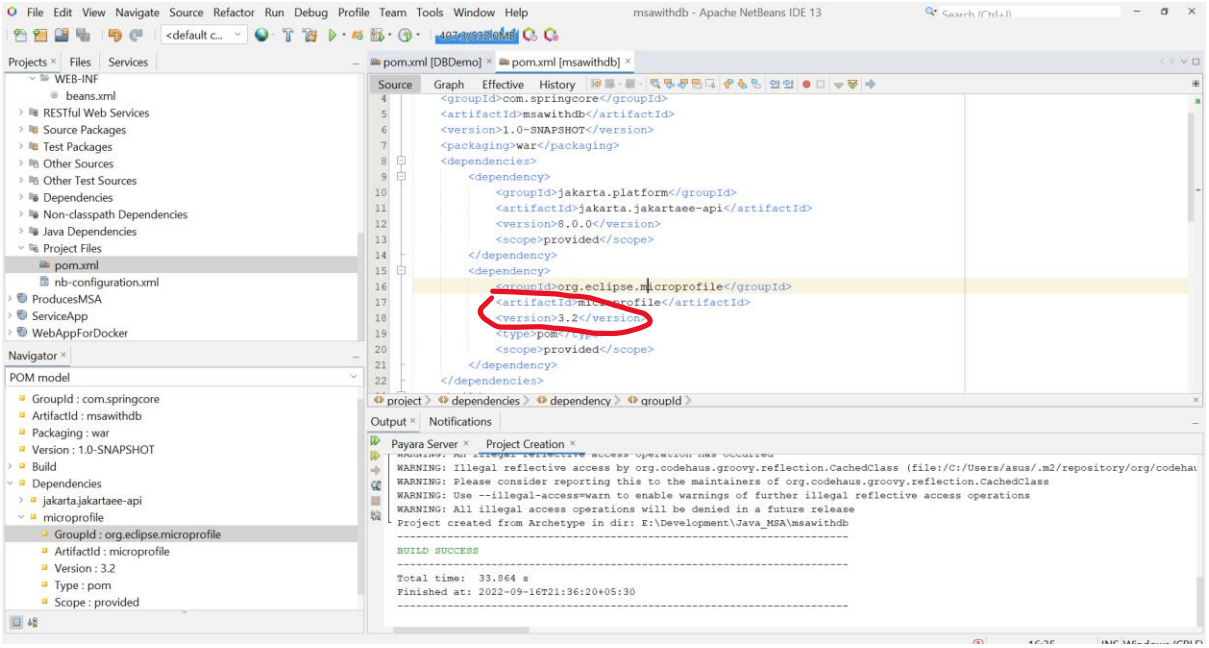
4. I've created database named testdb and it contains table named students



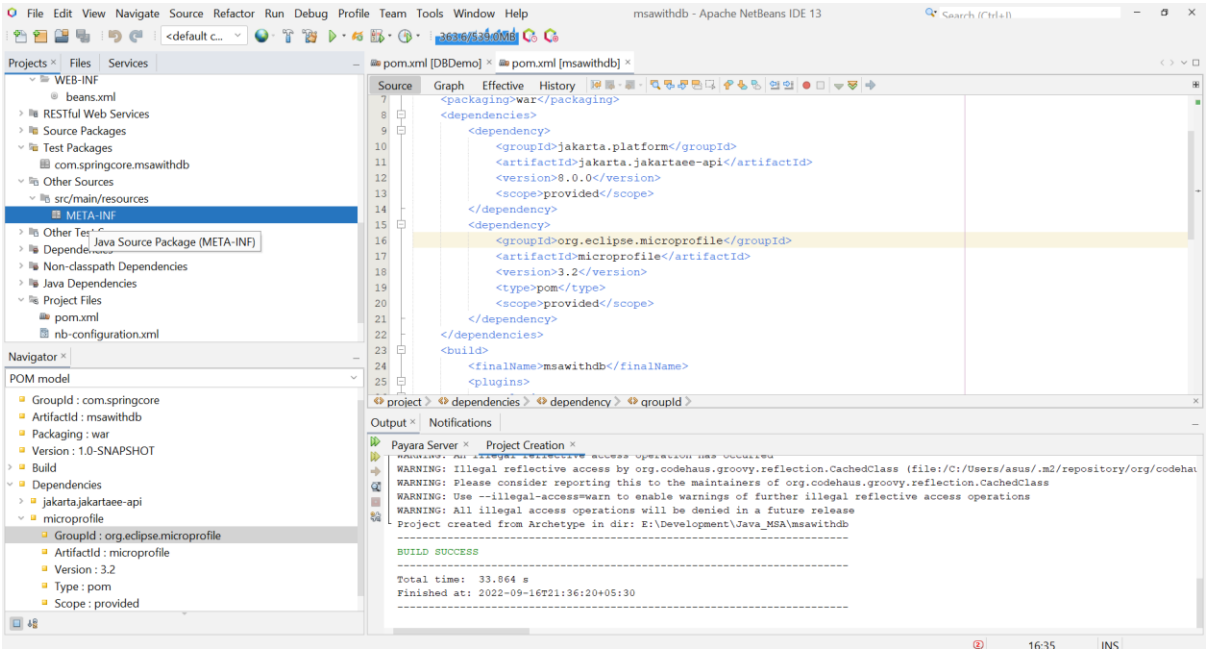
5. Make some changes in pom.xml file



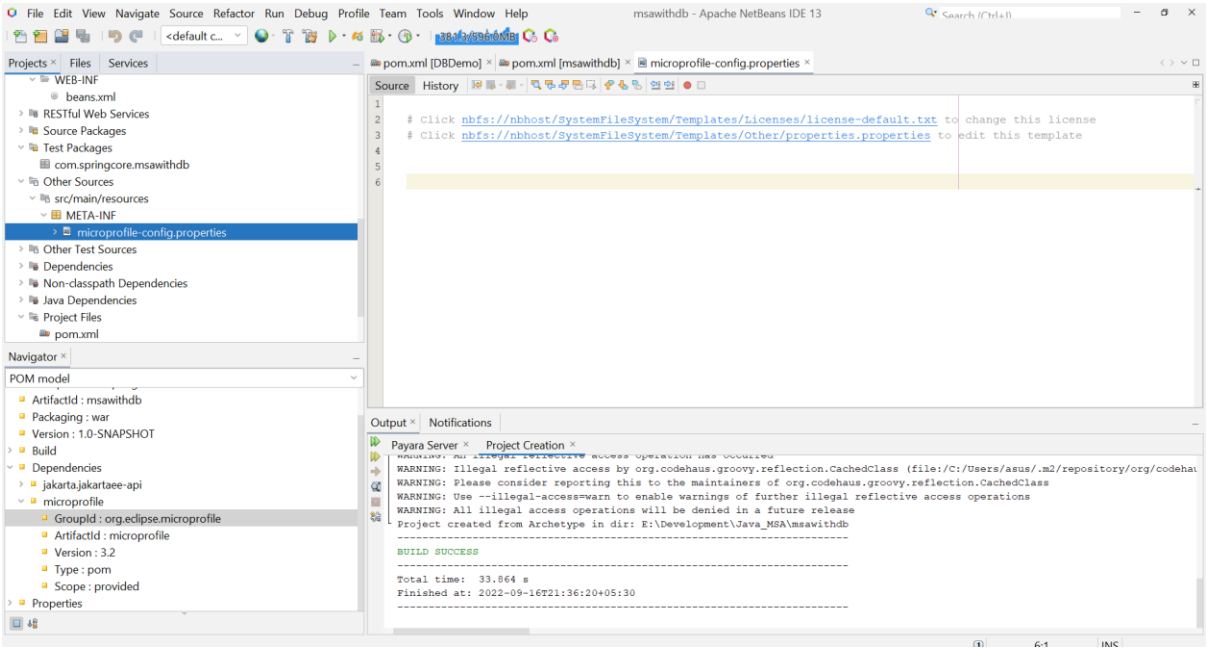
6. Change version from 3.2 to 3.1 (Note : If 3.1 gives an error then don't change it)



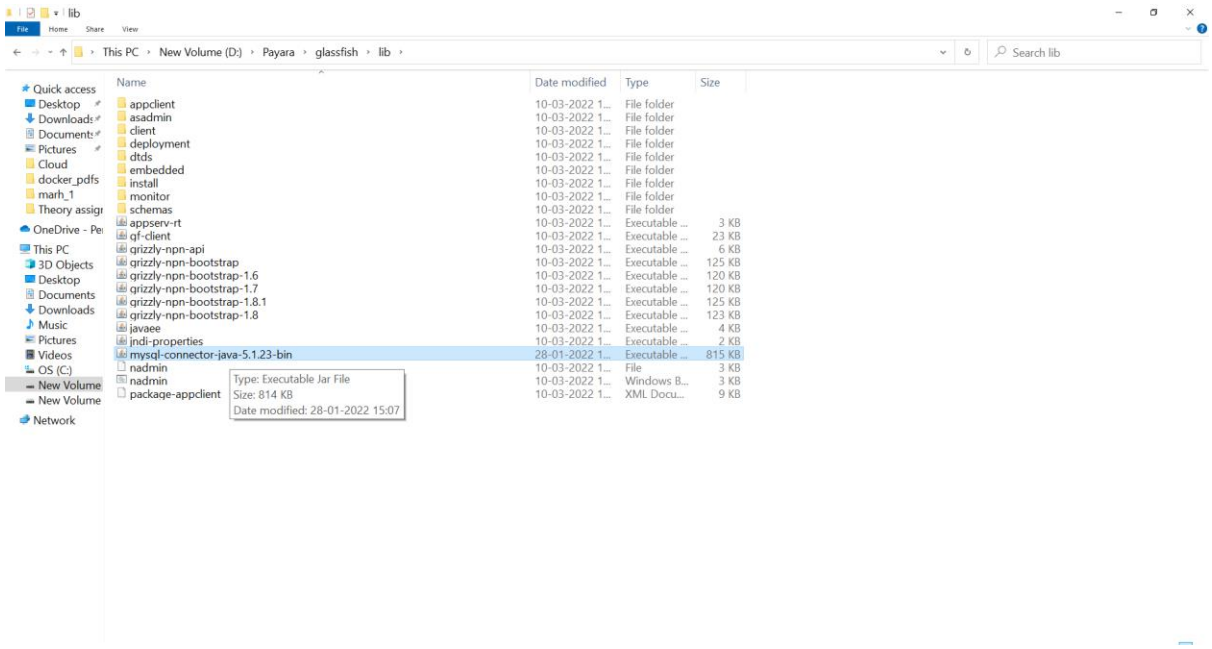
7. Create folder named META-INF in Other Sources -> src/main/resources



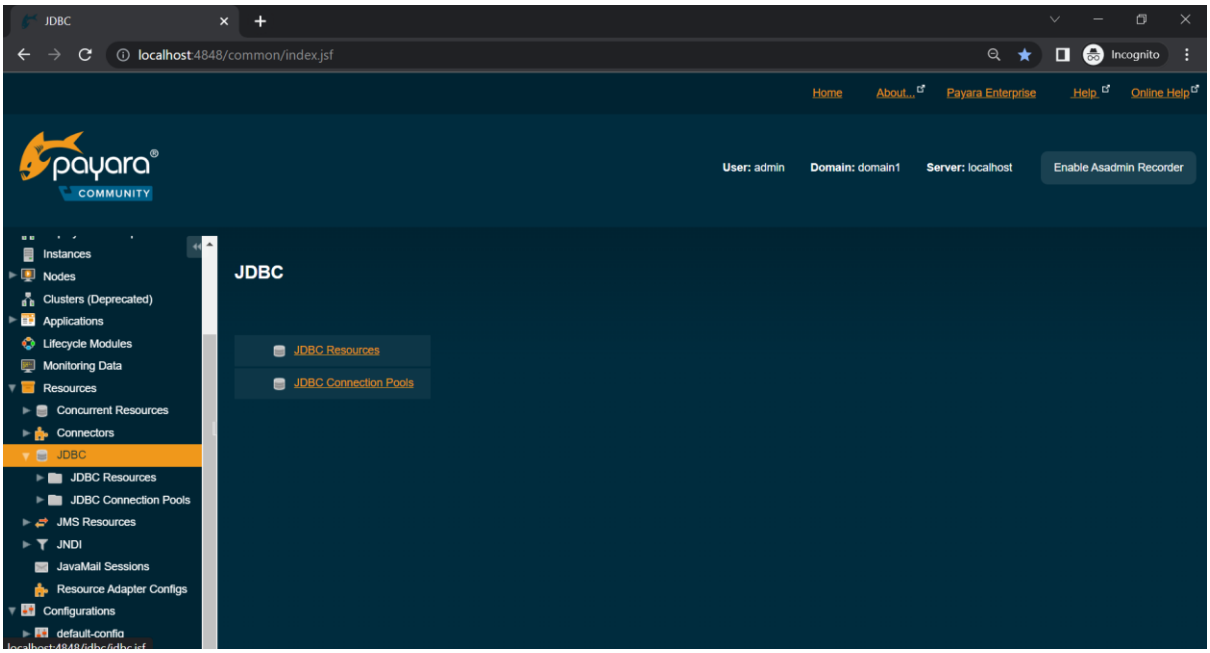
8. Add properties file named microprofile-config in that folder



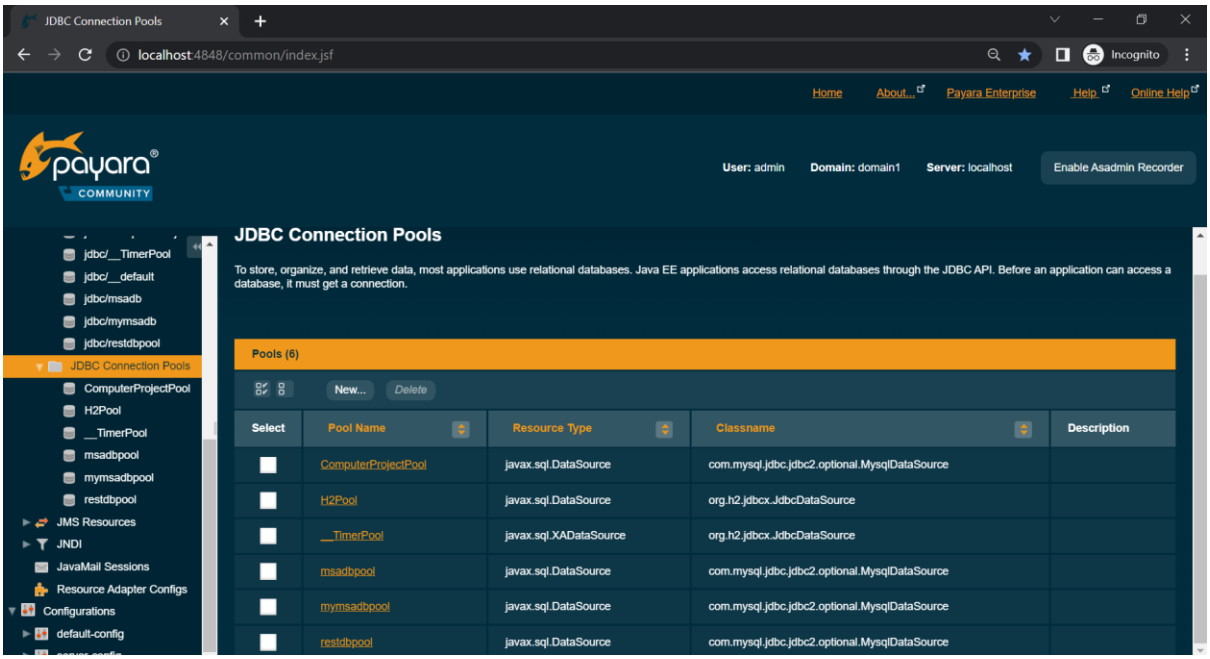
9. Before Moving on I wanna to check you whether the mysql connector jar is existed in following location of your payara server.



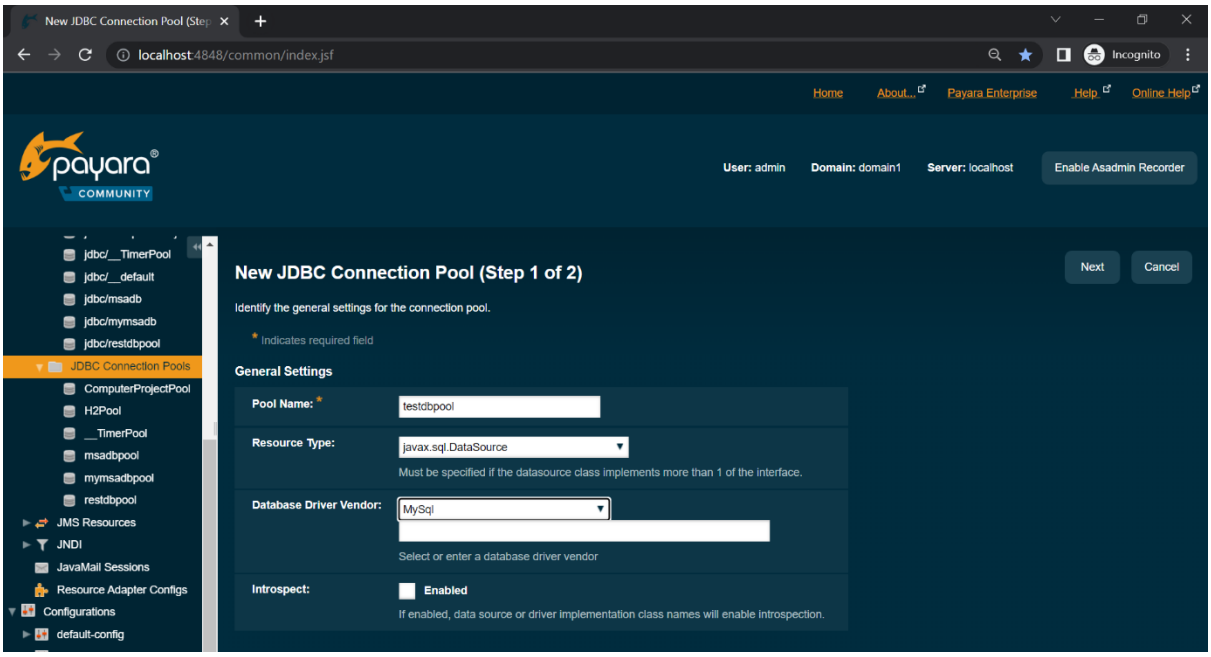
10. Start the payara server and add URL localhost:4848 in your browser



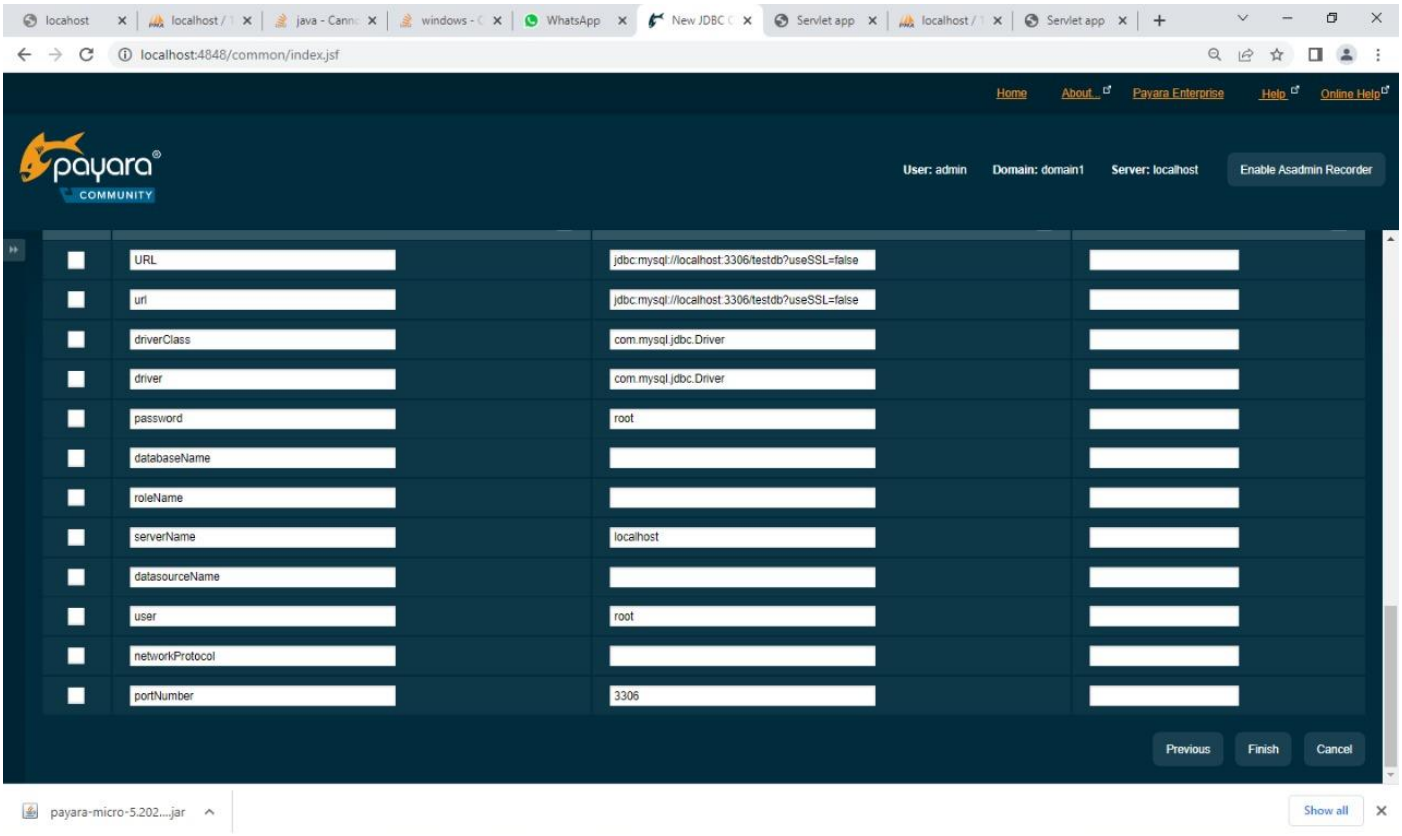
11. Create JDBC connection pool



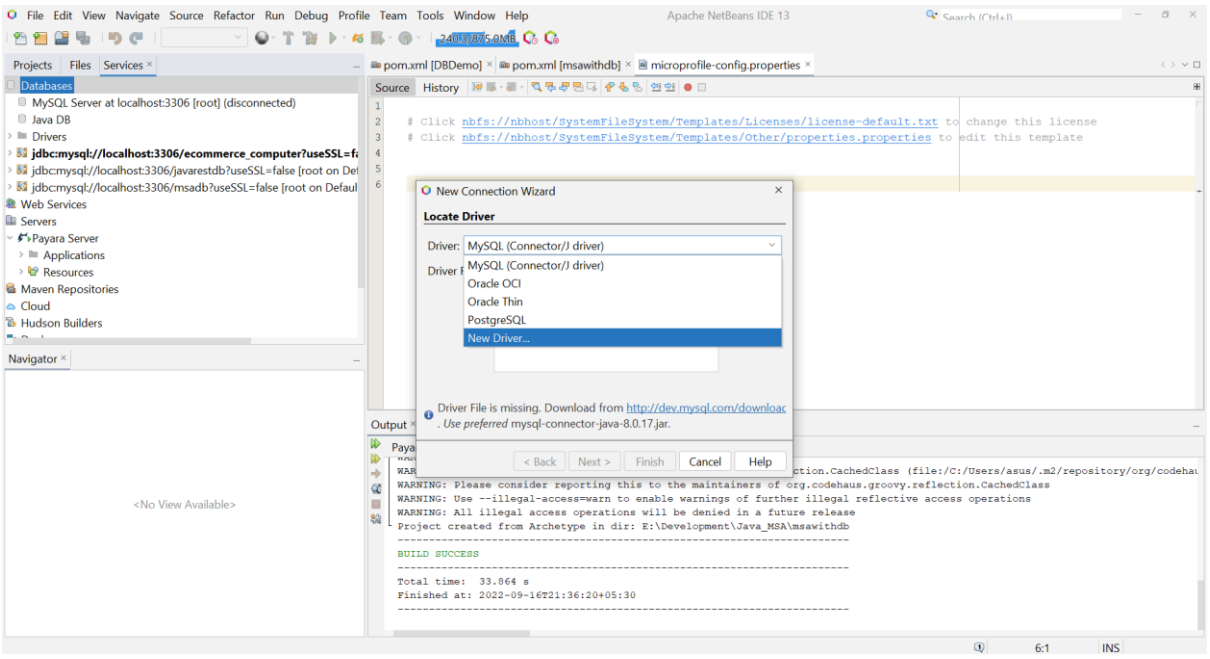
12. Add the details and click next



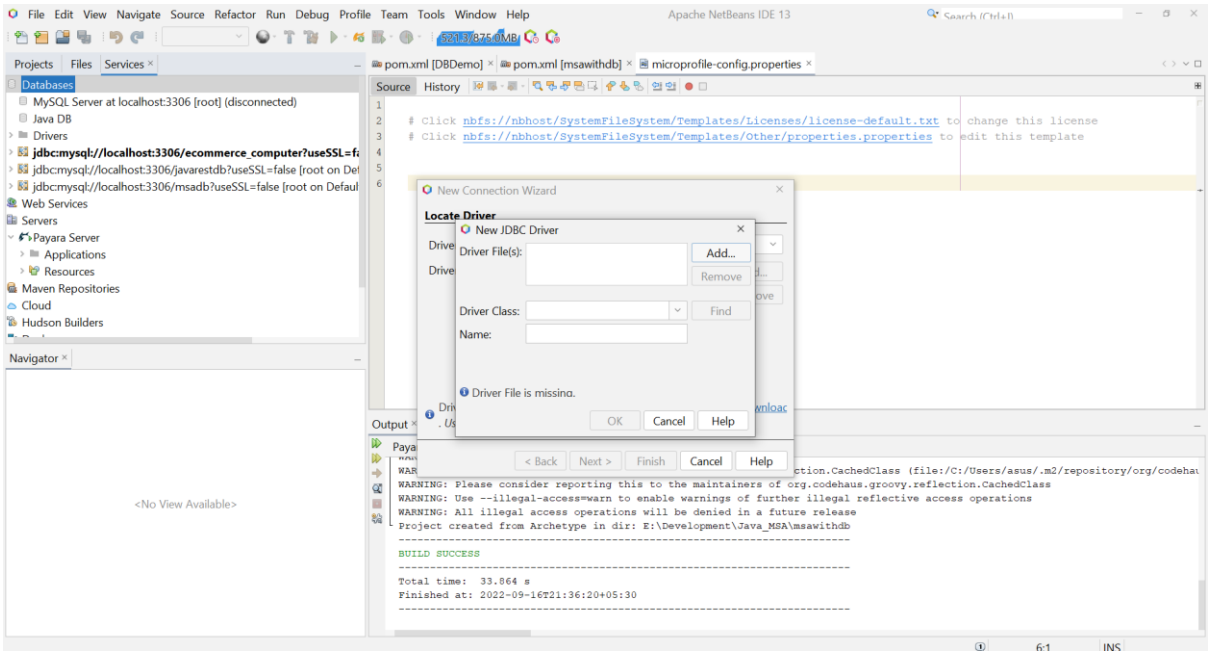
13. Add the following properties , there will be more properties in your pc, Leave rest of the properties as it is and click next

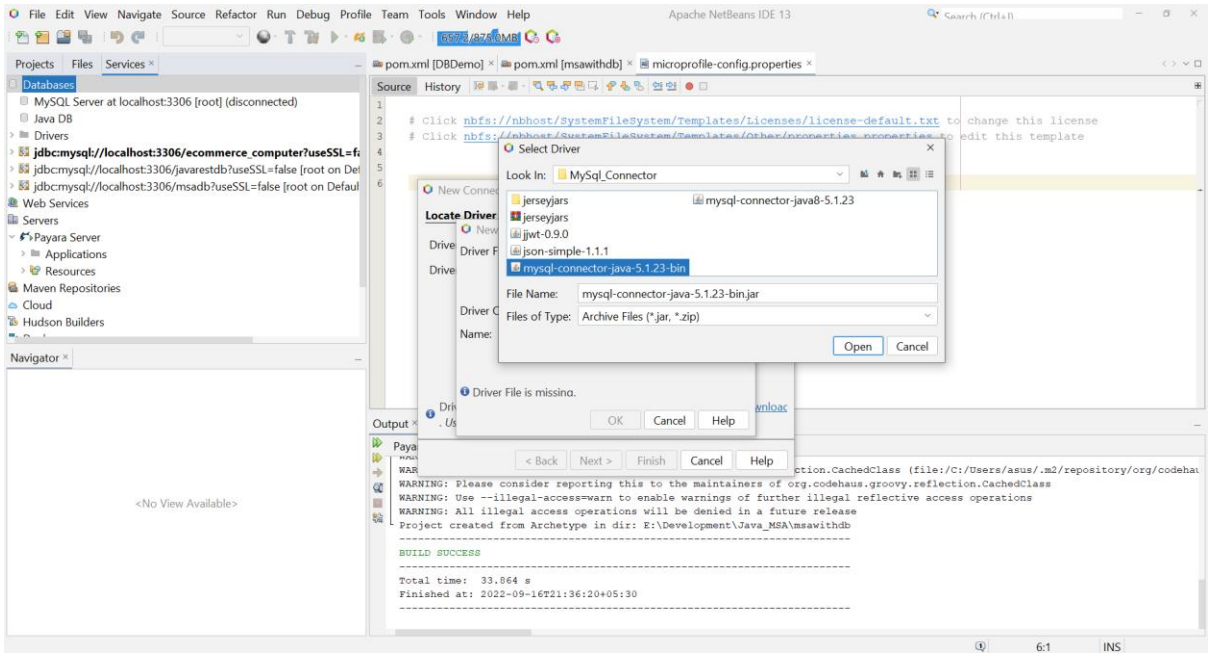


14. Add the driver in netbeans , If you already the add the driver file then skip this following step

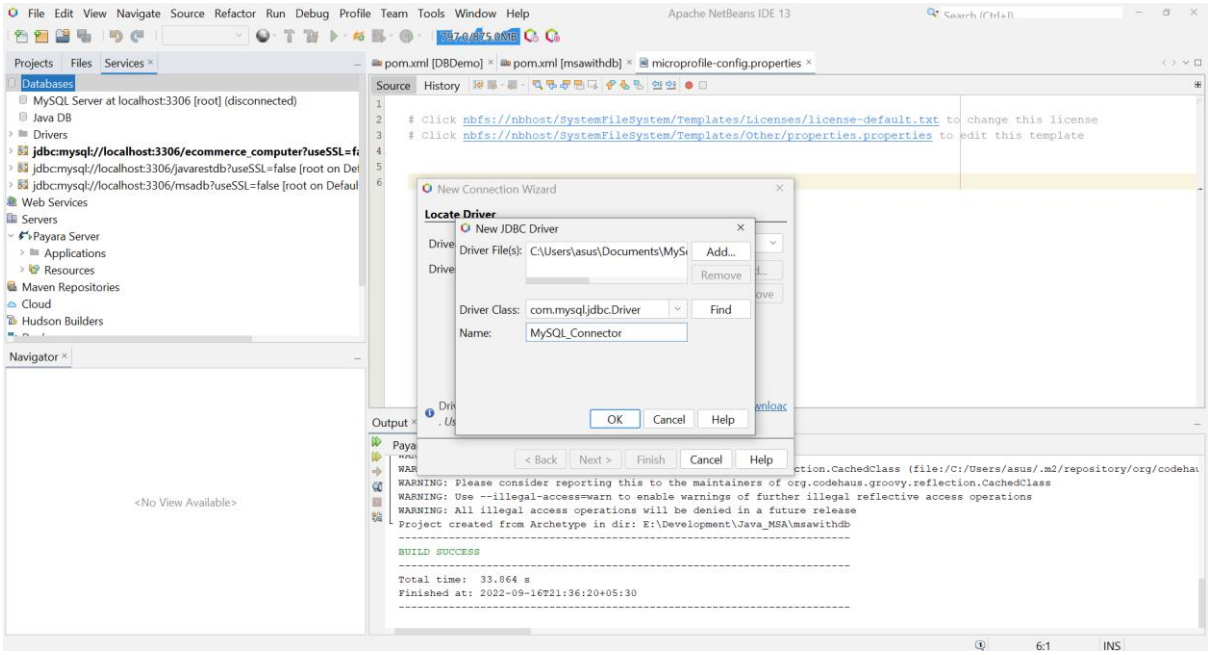


15. Click add Button and add the mysql-connector jar file.



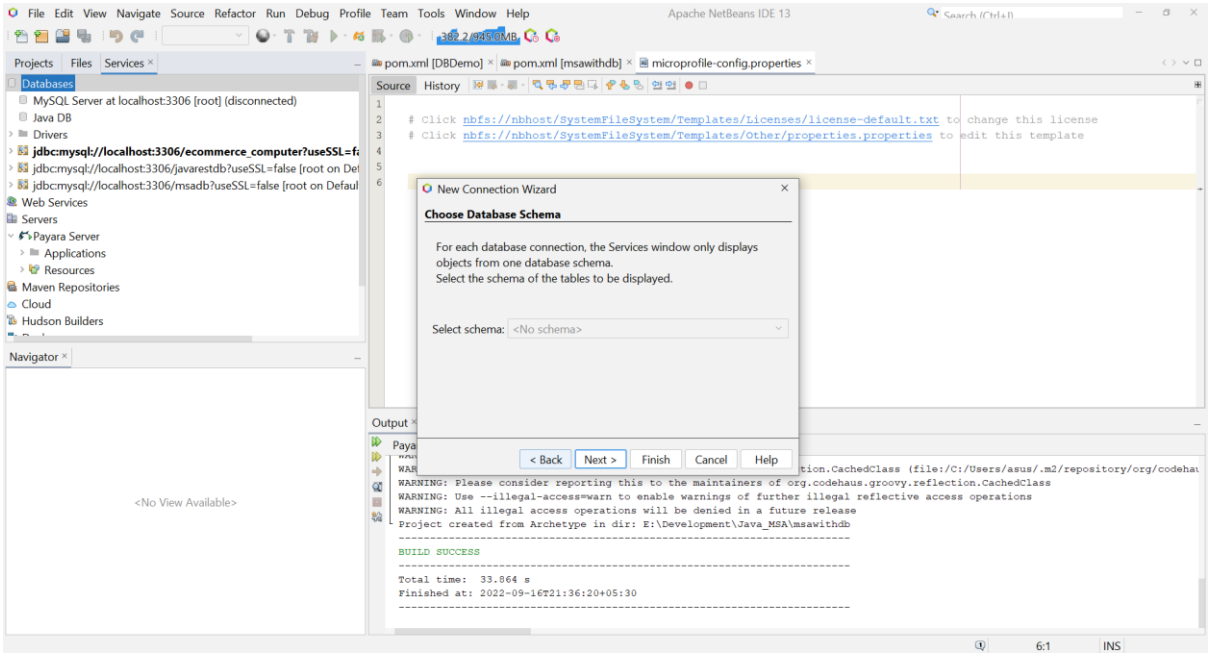


16. Add the driver class and name of the driver

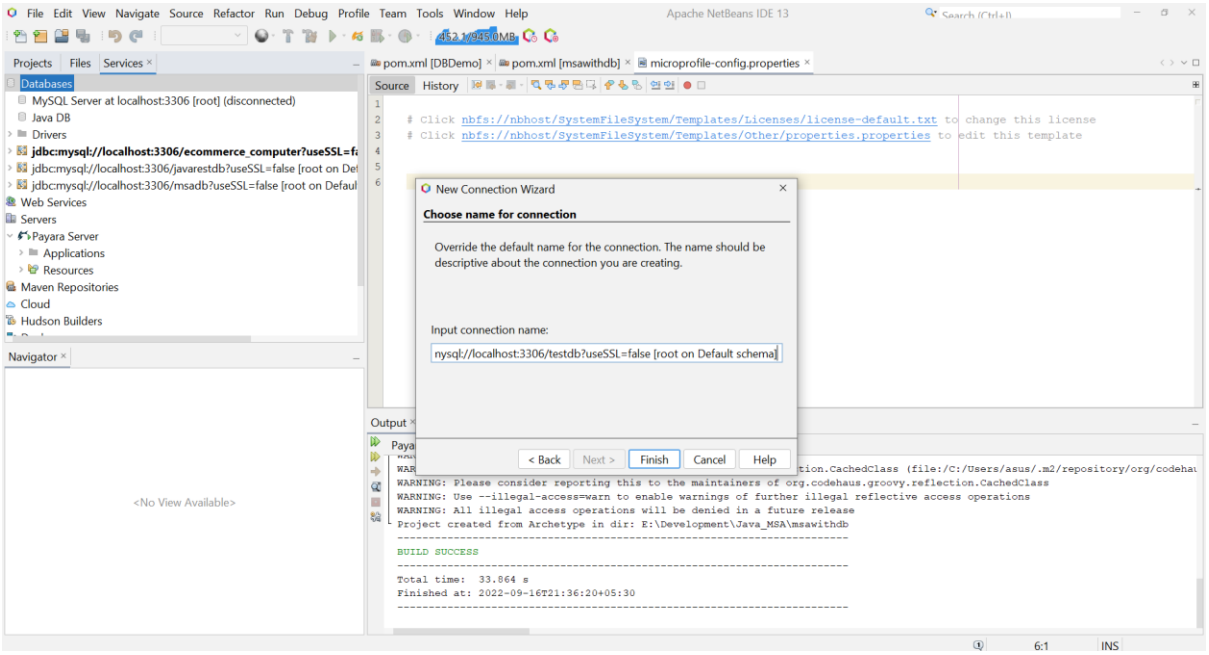


17. Enter use name and password of your mysql database and add JDBC URL related to your database name. In my case I am using testdb so my url would be jdbc:mysql://localhost:3306/testdb?useSSL=false , Click next

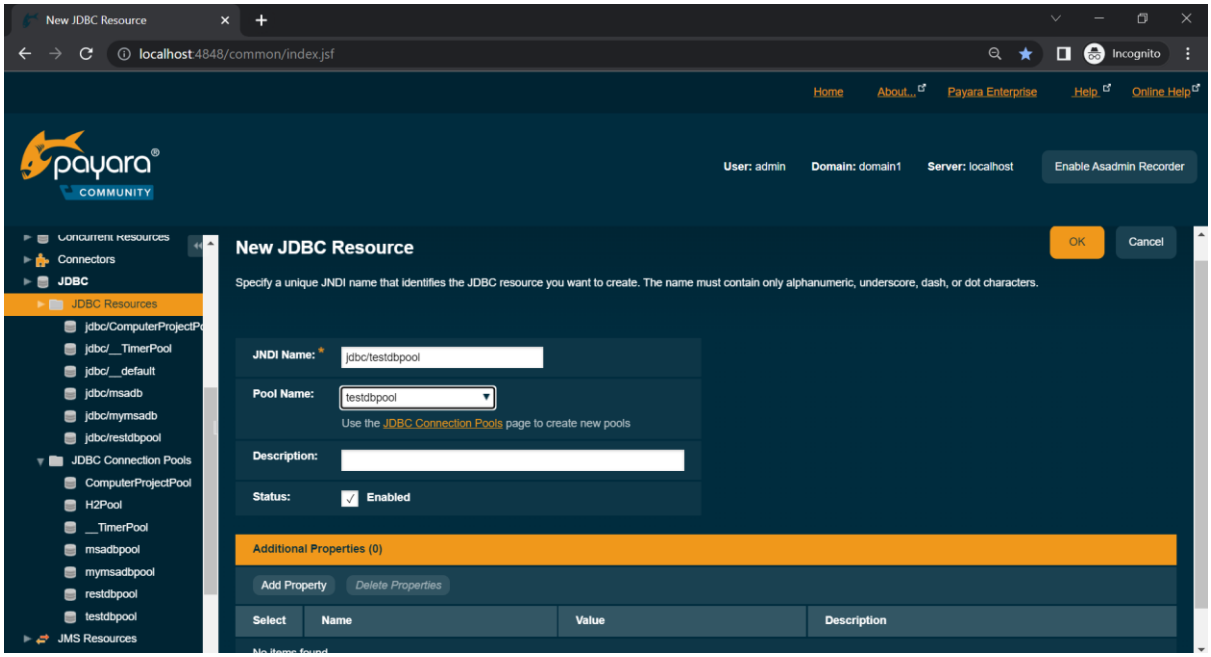
URL : jdbc:mysql://localhost:3306/your_db_name?useSSL=false



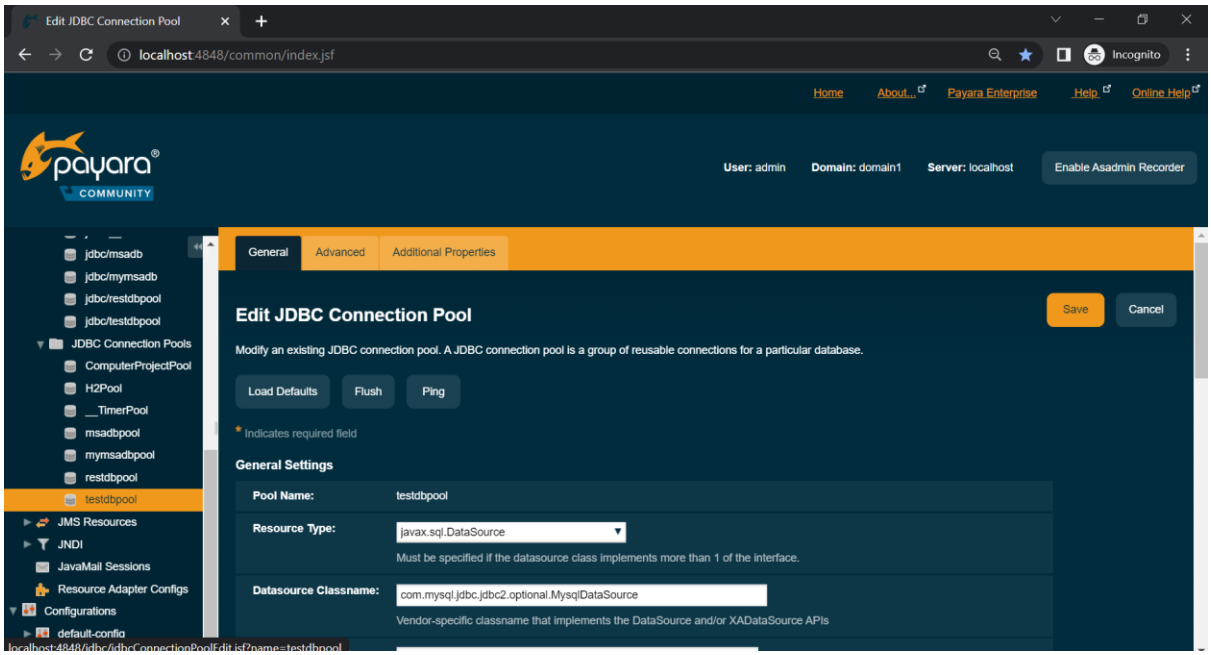
18. Leave as it is , click next.



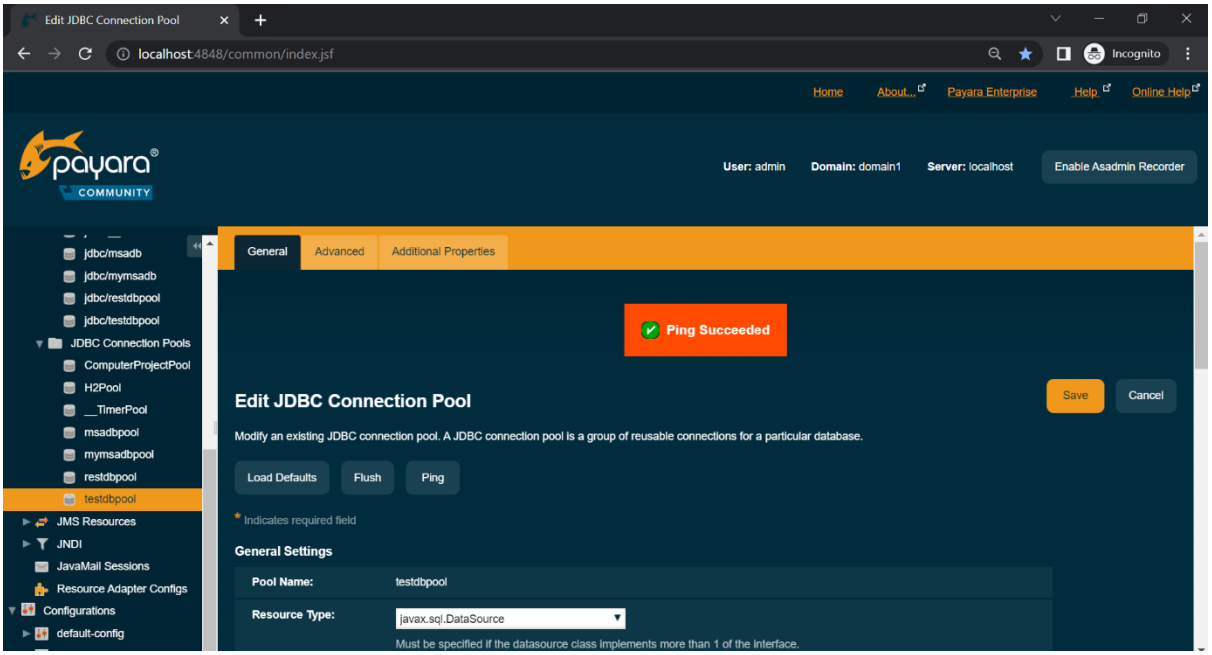
19. Create JDBC Resources and link with your JDBC connection pool which you've created earlier one. In my case, JNDI name I choose jdbc/testdbpool and select your jdbc connection pool.



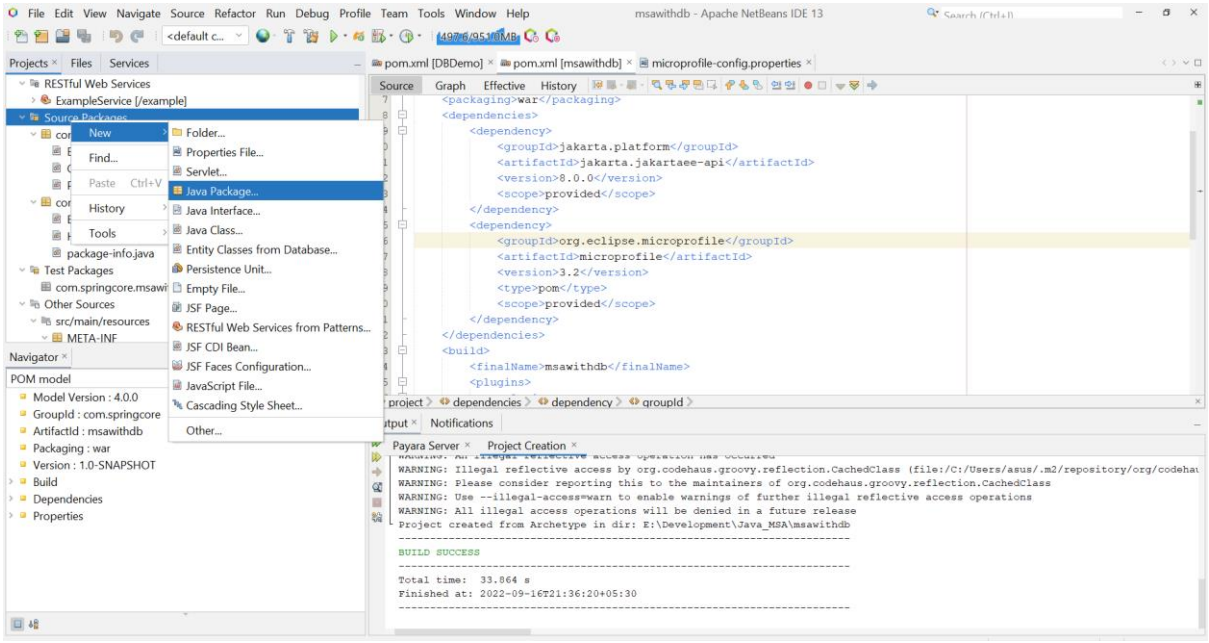
20. Go to your JDBC Connection pool that you've created earlier and click Ping

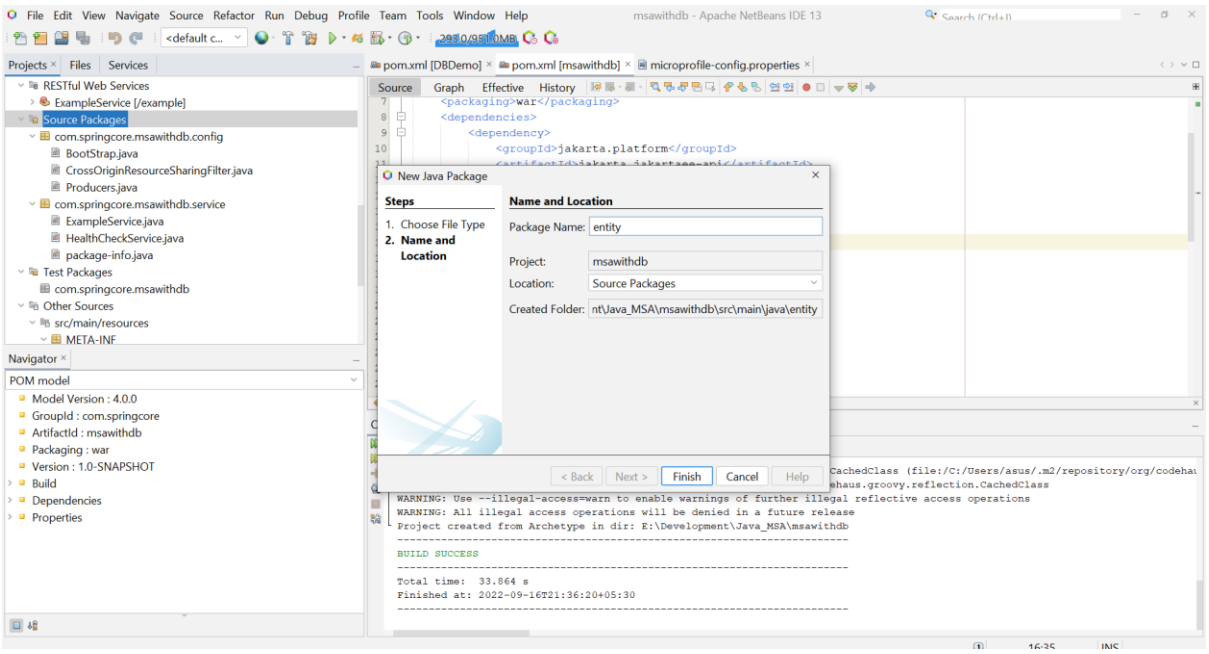


21. Ping should be successful

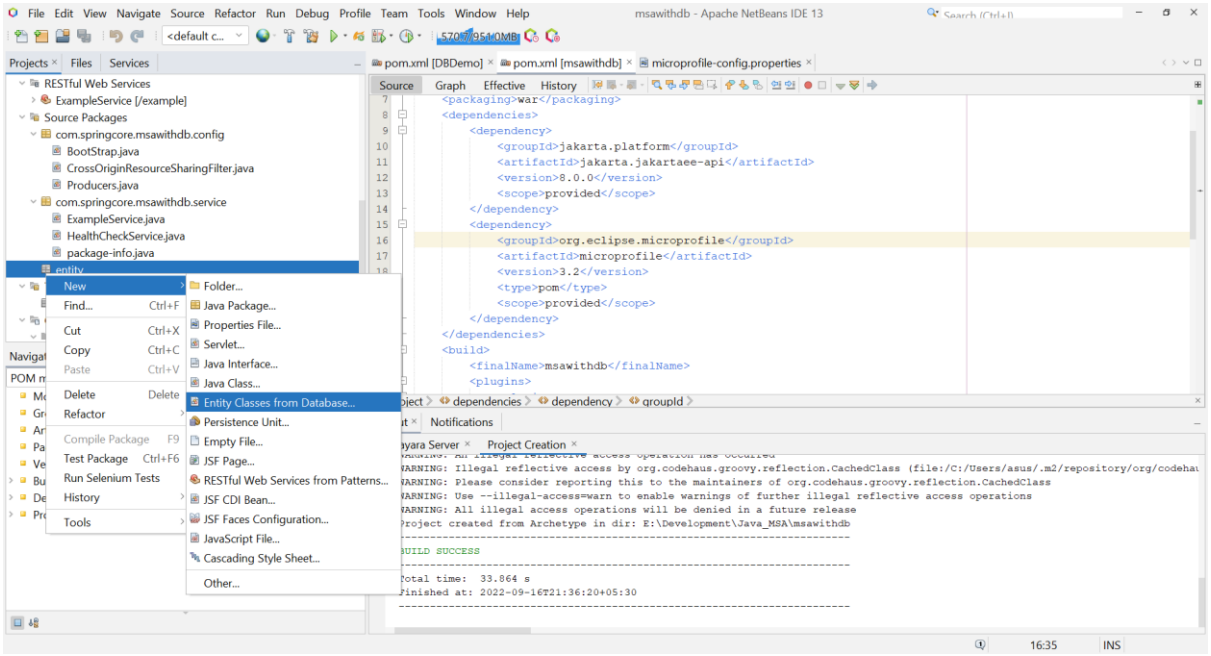


22. Create new package

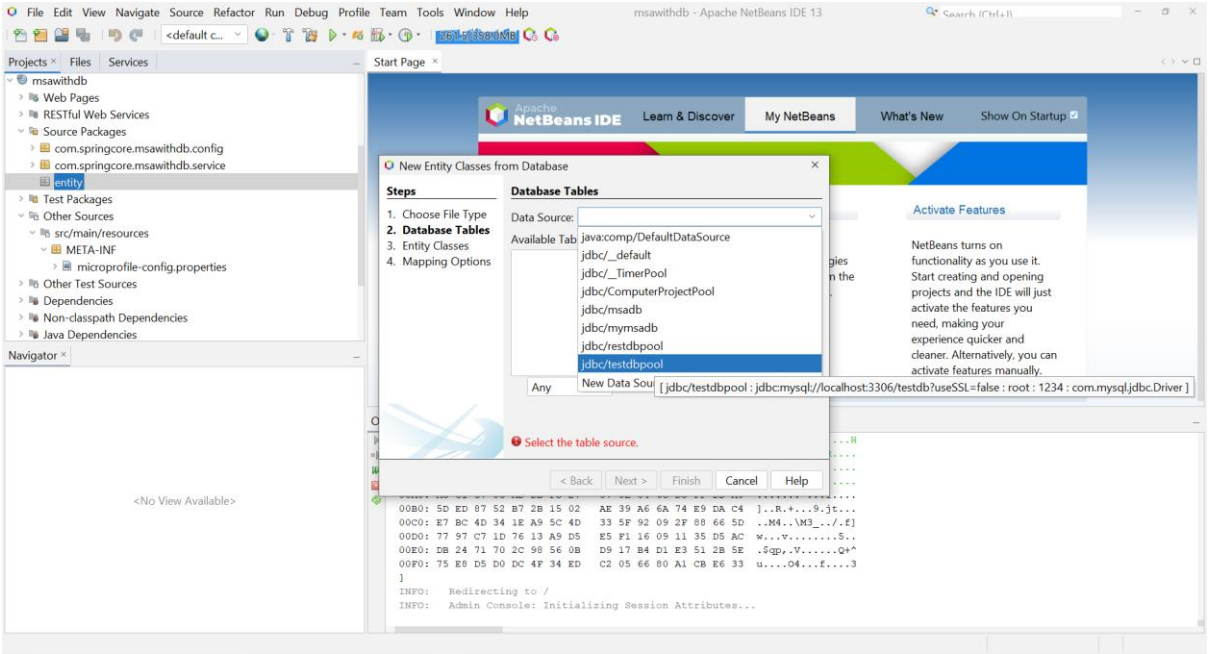




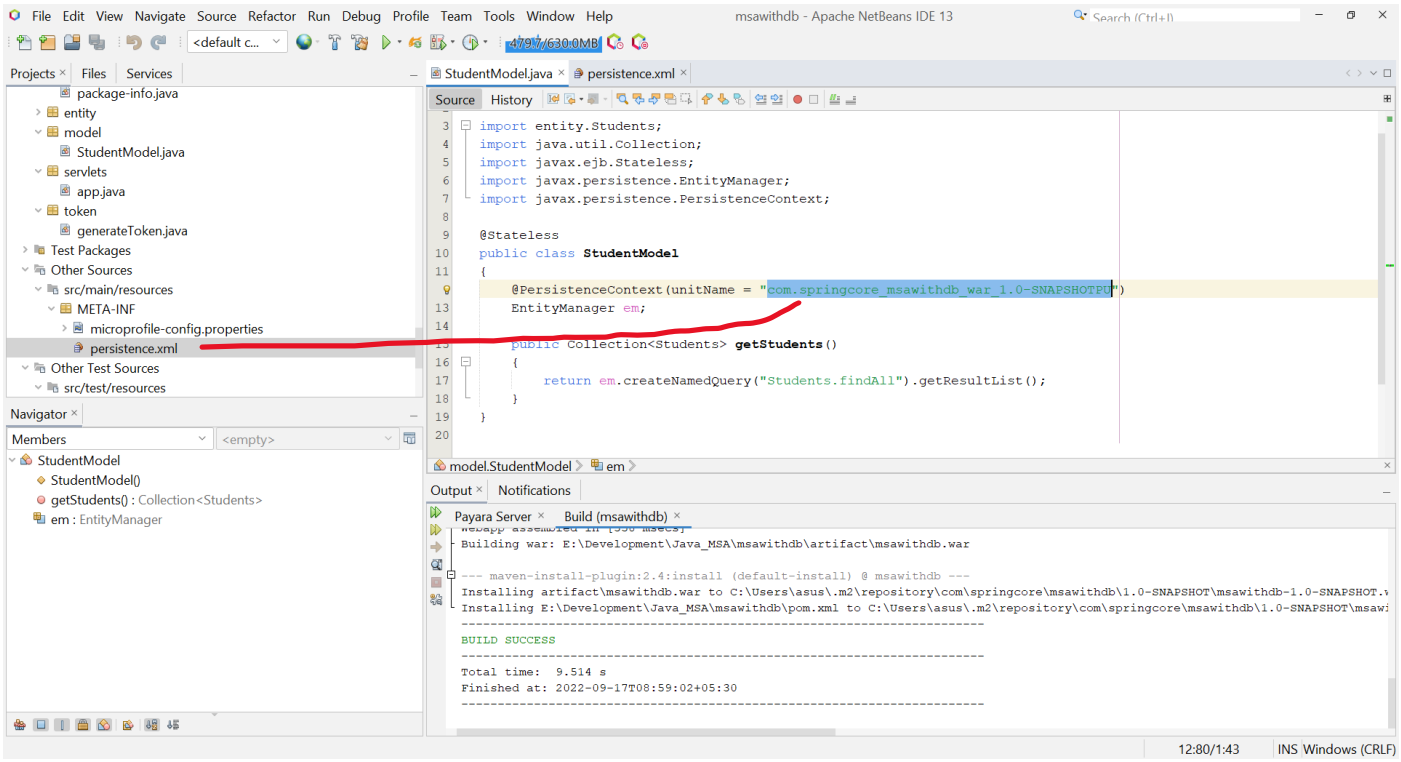
23 . Right click on that package and Select entity classes from database



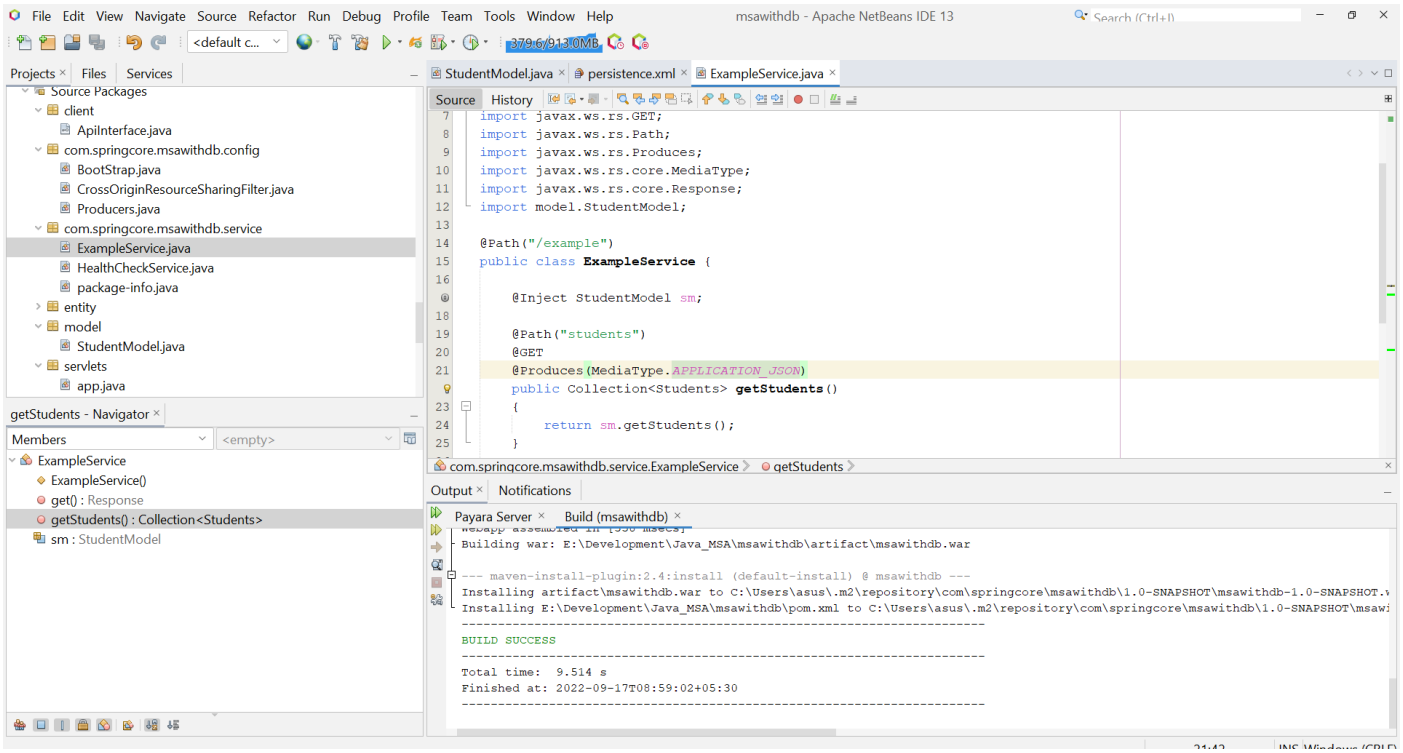
24. Select Data source based on Your jndi resource and select your table and click next till finish.



25. Create one java class file for data model. In my case, I've created StudentModel.java in model package and add the following code. For unitName of Persistence Context see the persistence.xml file and add the unitName

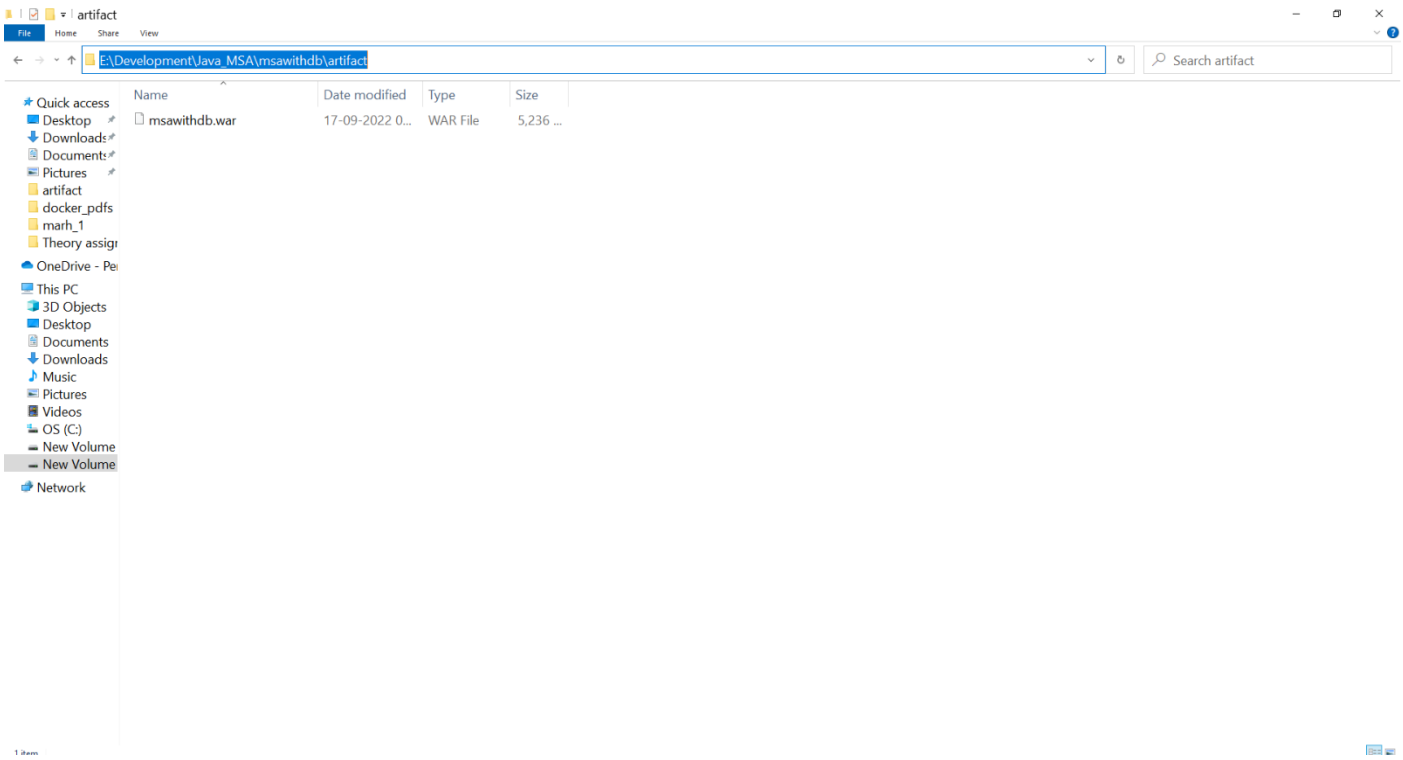


26. Go to the ExampleService.java file and add the following code

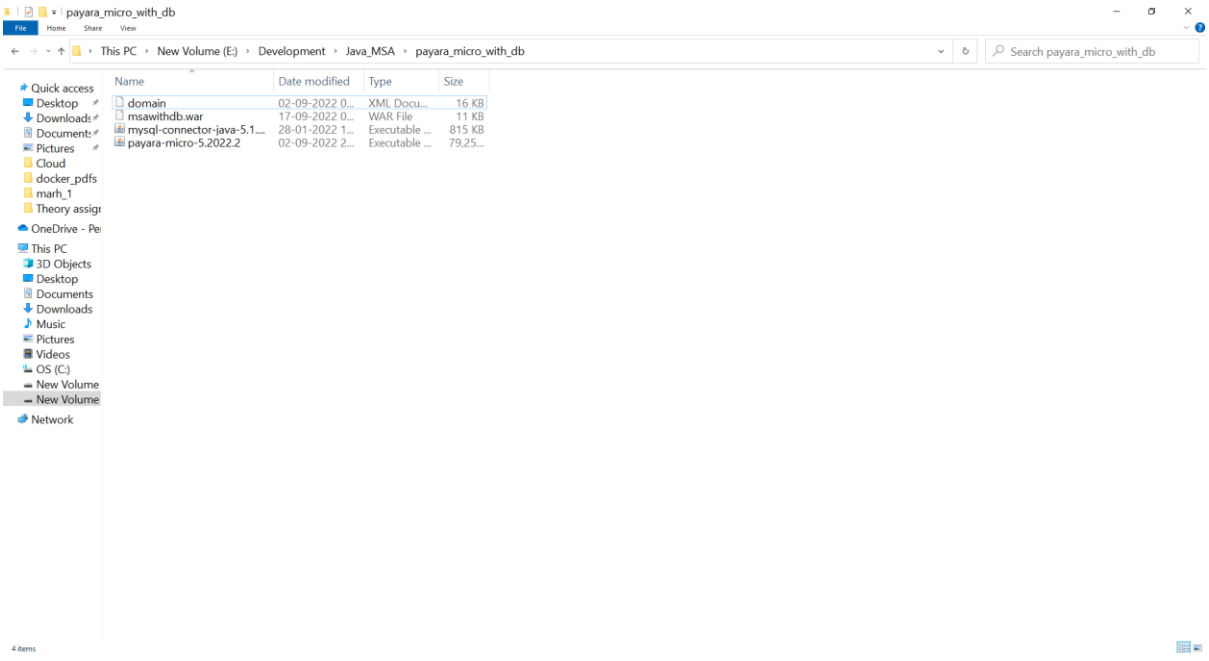


Okay till now, we've completed the and will run to project using api. Right click on your project click -> Clean and Build

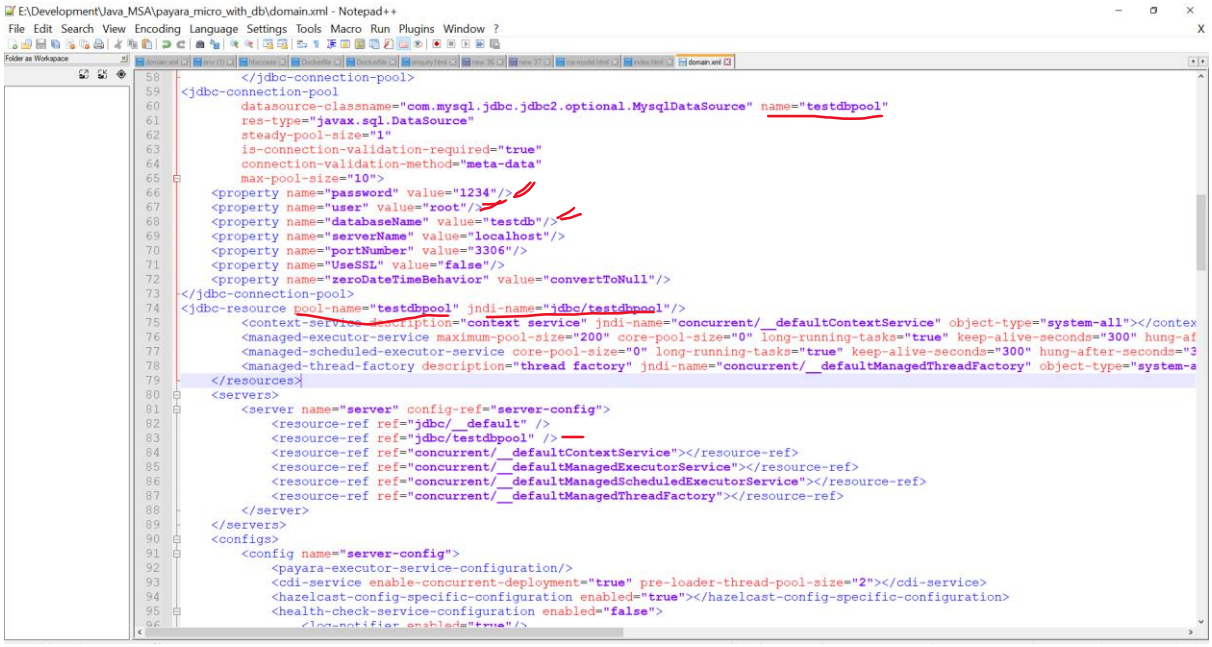
27. Location your project folder and copy the war file and do paste on some blank folder



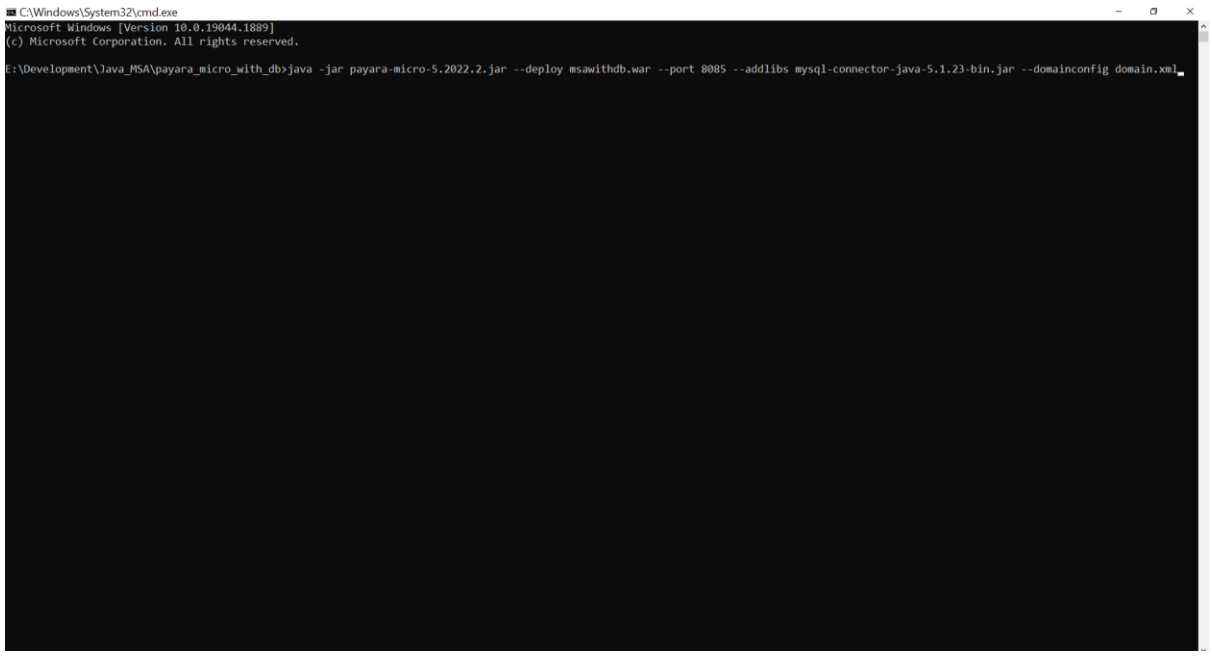
28. In that file Blank folder add domain.xml file, mysql-connector jar file and payara micro jar file



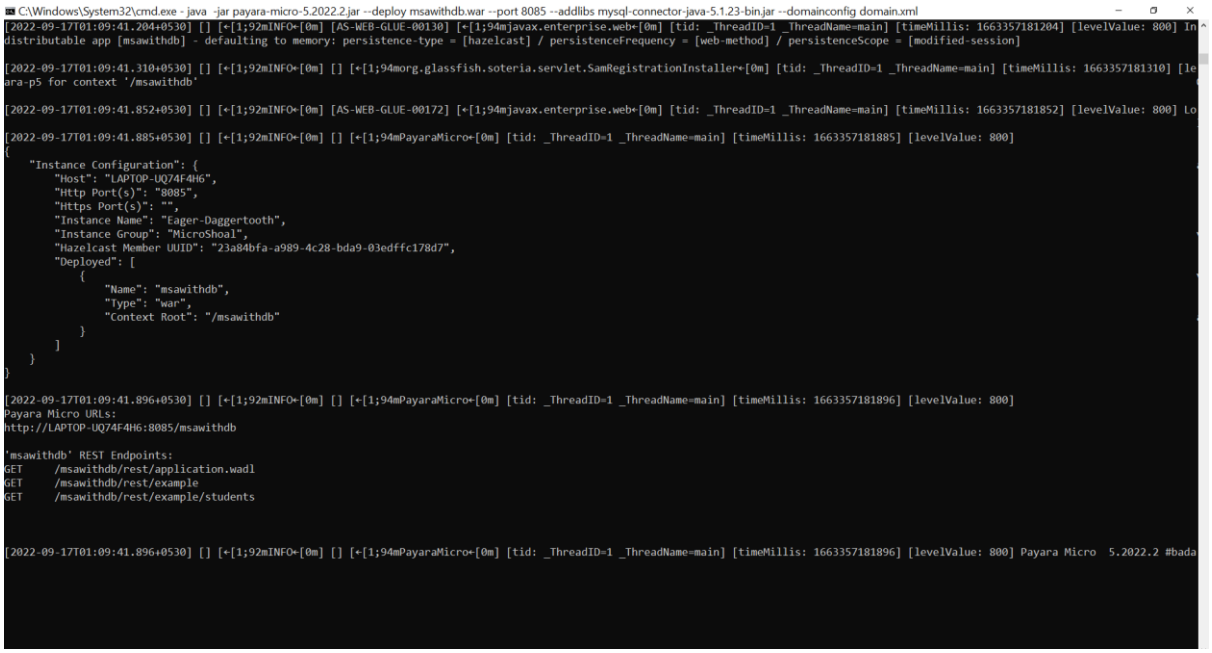
29. Open domain.xml file in your favourite text editor and make some changes following changes highlighted by red underline in domain.xml file



30. Close the text editor, Open the command prompt and enter the following command



31. Wait and watch you will get the following result.



32. Enter the URL localhost:port_number/projectName/rest/example/students

In my case URL: localhost:8080/msawithdb/rest/example/students