

clone the project: \$ git clone https://github.com/oracle/docker-images.git

```
PS C:\Users\rbura> cd .\Desktop\  
PS C:\Users\rbura\Desktop> git clone https://github.com/oracle/docker-images.git  
Cloning into 'docker-images'...  
remote: Enumerating objects: 18397, done.  
remote: Counting objects: 100% (438/438), done.  
remote: Compressing objects: 100% (235/235), done.  
remote: Total 18397 (delta 189), reused 361 (delta 164), pack-reused 17959 (from 1)  
Receiving objects: 100% (18397/18397), 15.44 MiB | 5.15 MiB/s, done.  
Resolving deltas: 100% (10782/10782), done.  
Updating files: 100% (1845/1845), done.
```

Get directory: \$ cd docker-images/OracleDatabase/SingleInstance/dockerfiles

Build the new docker image:

```
rbura@DESKTOP-8NQHOG9 MINGW64 ~/Desktop/docker-images/OracleDatabase/SingleInstance/dockerfiles (main)  
○ $ ./buildContainerImage.sh -v 21.3.0 -x
```

Run it on appropriate ports.

```
rbura@DESKTOP-8NQHOG9 MINGW64 ~/Desktop/docker-images/OracleDatabase/SingleInstance/dockerfiles (main)  
$ docker run --name oraclexe \  
○ > -p 1521:1521 \  
> -p 5500:5500 \  
> -e ORACLE_PWD=ORACLE \  
> oracle/database:21.3.0-xe
```

```
rbura@DESKTOP-8NQHOG9 MINGW64 ~/Desktop/docker-images/OracleDatabase/SingleInstance/dockerfiles (main)  
○ $ docker exec -it oraclexe bash  
bash-4.2$ sqlplus sys/ORACLE@//localhost:1521/XE as sysdba  
  
SQL*Plus: Release 21.0.0.0.0 - Production on Tue Dec 10 19:30:15 2024  
Version 21.3.0.0.0  
  
Copyright (c) 1982, 2021, Oracle. All rights reserved.  
  
Connected to:  
Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production  
Version 21.3.0.0.0  
  
SQL> █
```

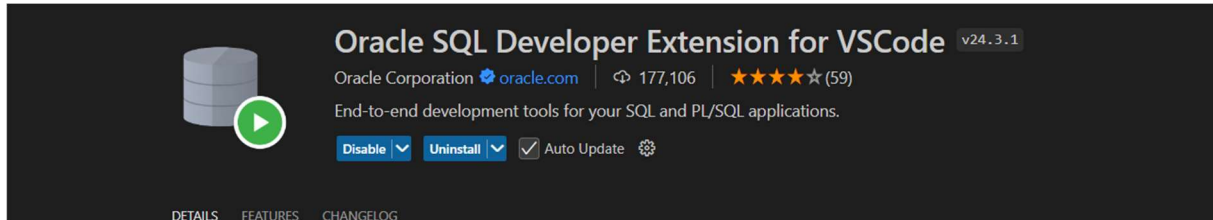
Test it and exit.

```
SQL> SELECT name FROM v$database;  
  
NAME  
-----  
XE
```

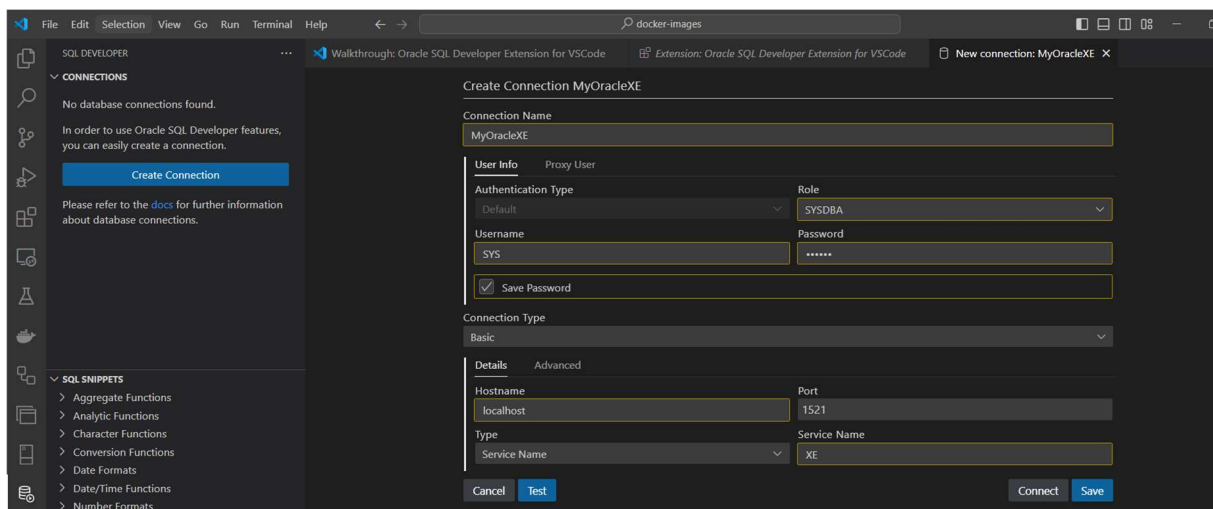
```
SQL> exit  
Disconnected from Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production  
Version 21.3.0.0.0  
bash-4.2$ █
```

Download the SQL Developer extension (you may download the windows,linux version on your computer too.)

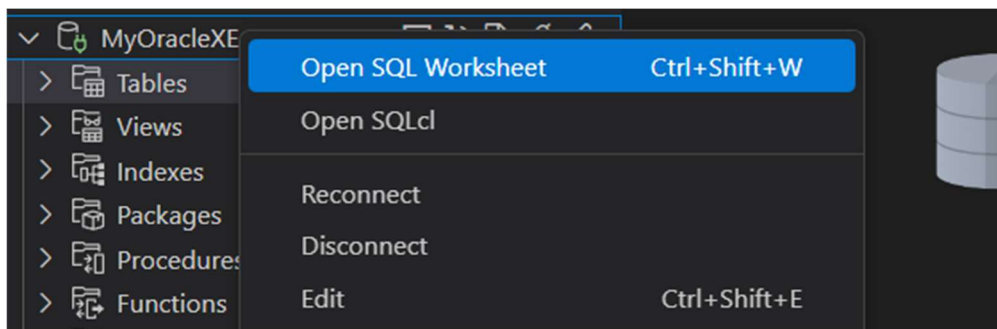
<https://www.oracle.com/database/sqldeveloper/technologies/download/?er=221886>



Create connection with those credentials.

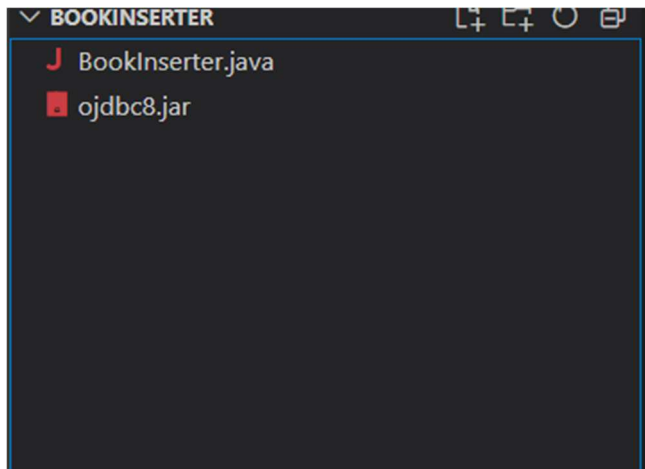


If you want to write sql commands you can open sql worksheet and run it (F5)



Download JDBC jar on your project directory.

<https://www.oracle.com/database/technologies/appdev/jdbc-downloads.html>



Run your java code.

```
PS C:\Users\rbura\Desktop\BookInserter> javac -cp ".;ojdbc8.jar" BookInserter.java
>>
PS C:\Users\rbura\Desktop\BookInserter> java -cp ".;ojdbc8.jar" BookInserter
>>
```

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