# Oracle Docker Image for PL/SQL Development using SQL Developer on MacOS

### **Tools Required:**

### Docker on Mac

### SQL Developer Client on Mac

### Oracle Docker image for Mac from DockerHub

### Mac Terminal / Iterms

### **Installation Links:**

### Docker on Mac -> <https://docs.docker.com/docker-for-mac/install/>

### Oracle 12c Docker Image -> Docker Hub registry

### SQL Developer -> From Oracle Site

### JDK 1.8 -> -> From Oracle Site

### **Steps:**

1. Download Docker for Local Mac from below link: <https://hub.docker.com/editions/community/docker-ce-desktop-mac/>

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1. Login to Docker with Docker hub account

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1. docker commands from Mac Console:

>docker login



>docker run -d -p 1521:1521 --name oracle12c store/oracle/database-enterprise:12.2.0.1

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>docker ps



>docker logs -f <container id>

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>docker exec -it oracle12c bash -c "source /home/oracle/.bashrc; sqlplus /nolog"A picture containing indoor, sitting, monitor, holding

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1. SQL Command to connect as sysdba and create user to be used at SQL Developer:

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SQL\*Plus: Release 12.2.0.1.0 Production on Mon Mar 30 01:41:37 2020

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SQL> connect sys as sysdba

Enter password: Oradoc\_DB1

Connected.

SQL> alter session set "\_ORACLE\_SCRIPT"=true;

Session altered.

SQL> create user dummy identified by dummy;

User created.

SQL> GRANT ALL PRIVILEGES TO dummy;

Grant succeeded.

SQL> quit();

1. Launch SQL Developer and set the values as shown below:

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1. Write PL/SQL code and execute against Oracle Docker Image running locally

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1. Additional Reference Point: For any reason if default Oracle port (1521) is blocked then you can use docker -p (or -P) option to set your personalize port to be broadcasted to external world. Then use “docker port <container name> to make sure that your port has been resisted correctly or not.