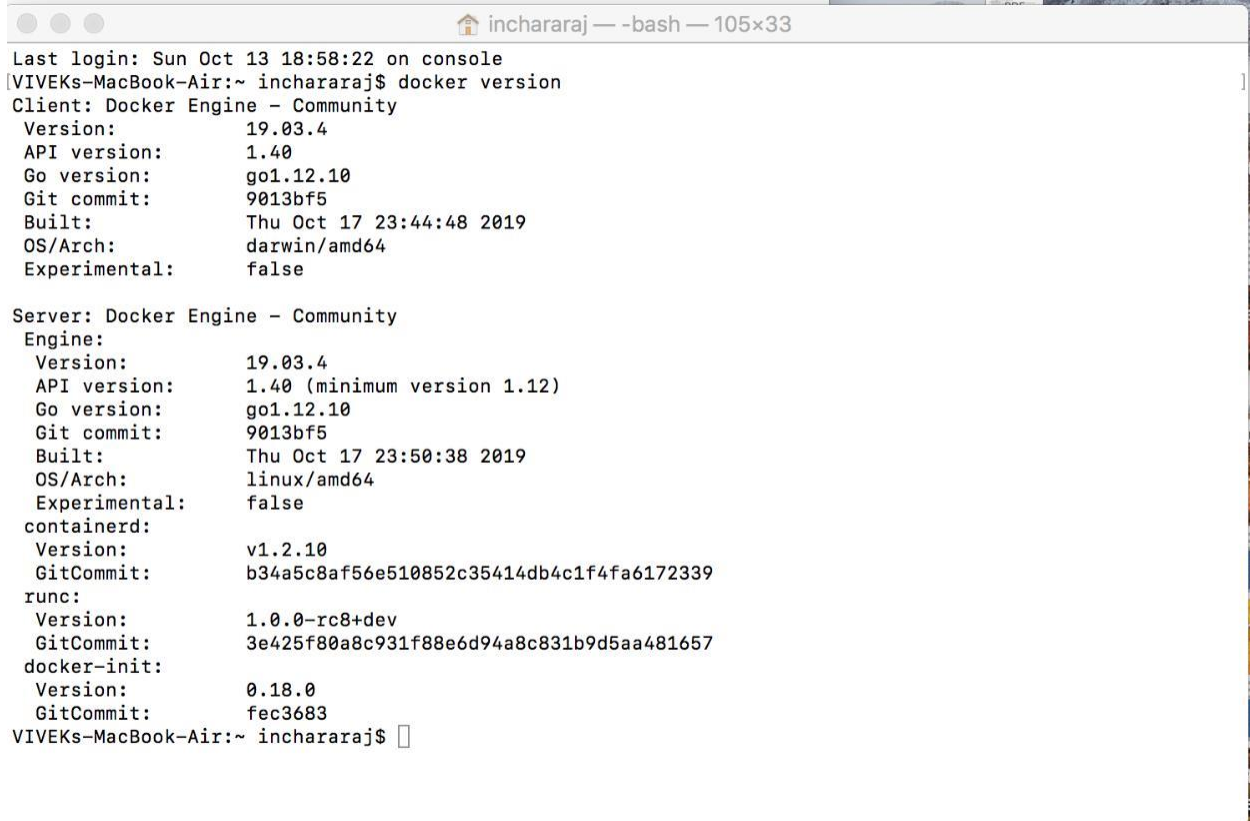


1. Install Docker

Create your docker account and Download Docker for Mac from [the official website](#). (Follow the steps in the link to install docker)

Run command 'docker version' to make sure docker is installed.

A screenshot of a macOS terminal window. The title bar shows three window control buttons and the text 'inchararaj — -bash — 105x33'. The terminal content shows the output of the 'docker version' command. It displays information for the Client (Docker Engine - Community) and the Server (Docker Engine - Community). The Client section lists version 19.03.4, API version 1.40, Go version go1.12.10, Git commit 9013bf5, built on Thu Oct 17 23:44:48 2019, OS/Arch darwin/amd64, and Experimental false. The Server section lists version 19.03.4, API version 1.40 (minimum version 1.12), Go version go1.12.10, Git commit 9013bf5, built on Thu Oct 17 23:50:38 2019, OS/Arch linux/amd64, and Experimental false. It also shows details for containerd (version v1.2.10, GitCommit b34a5c8af56e510852c35414db4c1f4fa6172339), runc (version 1.0.0-rc8+dev, GitCommit 3e425f80a8c931f88e6d94a8c831b9d5aa481657), and docker-init (version 0.18.0, GitCommit fec3683). The prompt at the bottom is 'VIVEKs-MacBook-Air:~ inchararaj\$ ' with a cursor.

```
inchararaj — -bash — 105x33
Last login: Sun Oct 13 18:58:22 on console
VIVEKs-MacBook-Air:~ inchararaj$ docker version
Client: Docker Engine - Community
 Version:           19.03.4
 API version:       1.40
 Go version:        go1.12.10
 Git commit:        9013bf5
 Built:             Thu Oct 17 23:44:48 2019
 OS/Arch:           darwin/amd64
 Experimental:      false

Server: Docker Engine - Community
 Engine:
  Version:           19.03.4
  API version:       1.40 (minimum version 1.12)
  Go version:        go1.12.10
  Git commit:        9013bf5
  Built:             Thu Oct 17 23:50:38 2019
  OS/Arch:           linux/amd64
  Experimental:      false
 containerd:
  Version:           v1.2.10
  GitCommit:         b34a5c8af56e510852c35414db4c1f4fa6172339
 runc:
  Version:           1.0.0-rc8+dev
  GitCommit:         3e425f80a8c931f88e6d94a8c831b9d5aa481657
 docker-init:
  Version:           0.18.0
  GitCommit:         fec3683
VIVEKs-MacBook-Air:~ inchararaj$
```

2. Store Oracle database in your Docker using

command `docker pull epiclabs/docker-oracle-xe-11g`

```
VIVEKs-MacBook-Air:~ inchararaj$ docker pull epiclabs/docker-oracle-xe-11g
Using default tag: latest
latest: Pulling from epiclabs/docker-oracle-xe-11g
d3938036b19c: Pull complete
a9b30c108bda: Pull complete
67de21feec18: Pull complete
817da545be2b: Pull complete
d967c497ce23: Pull complete
b58fa2921c87: Pull complete
646b6a0c7172: Pull complete
af63078e92a7: Pull complete
9ef8565ff630: Pull complete
Digest: sha256:15bcd9747e330d01484cd033d5272189d1488770a57b519ba511e816351027b0
Status: Downloaded newer image for epiclabs/docker-oracle-xe-11g:latest
docker.io/epiclabs/docker-oracle-xe-11g:latest
VIVEKs-MacBook-Air:~ inchararaj$
```

3. Create a container

- Run the instance using below command
`docker run -d -p 1521:1521 epiclabs/docker-oracle-xe-11g`
A hash code will be returned
- Check if instance is running
`docker ps`

```
VIVEKs-MacBook-Air:~ inchararaj$ docker run -d -p 1521:1521 epiclabs/docker-oracle-xe-11g
9e87337ae42ca1ce224679b4afcc442c5300e87ab3848e02bab4ac75c60b39c2
VIVEKs-MacBook-Air:~ inchararaj$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
9e87337ae42c	epiclabs/docker-oracle-xe-11g	"/usr/sbin/startup.sh"	45 seconds ago	Up 44 seconds	0.0.0.0:1521->1521/tcp, 8080/tcp	optimistic_feynman

```
VIVEKs-MacBook-Air:~ inchararaj$
```

4. (Option 1) Use Terminal

run command:

(Use `docker logs -f <your hash code>` to view logs)

`docker exec -it < your hash code/ container name> /bin/bash`

sqlplus system/oracle@//localhost:1521/xe

```
[VIVEKs-MacBook-Air:~ inchararaj$ docker exec -it 9e87337ae42c /bin/bash
root@9e87337ae42c:/# sqlplus system/oracle@//localhost:1521/xe

SQL*Plus: Release 11.2.0.2.0 Production on Wed Oct 30 17:23:15 2019

Copyright (c) 1982, 2011, Oracle. All rights reserved.

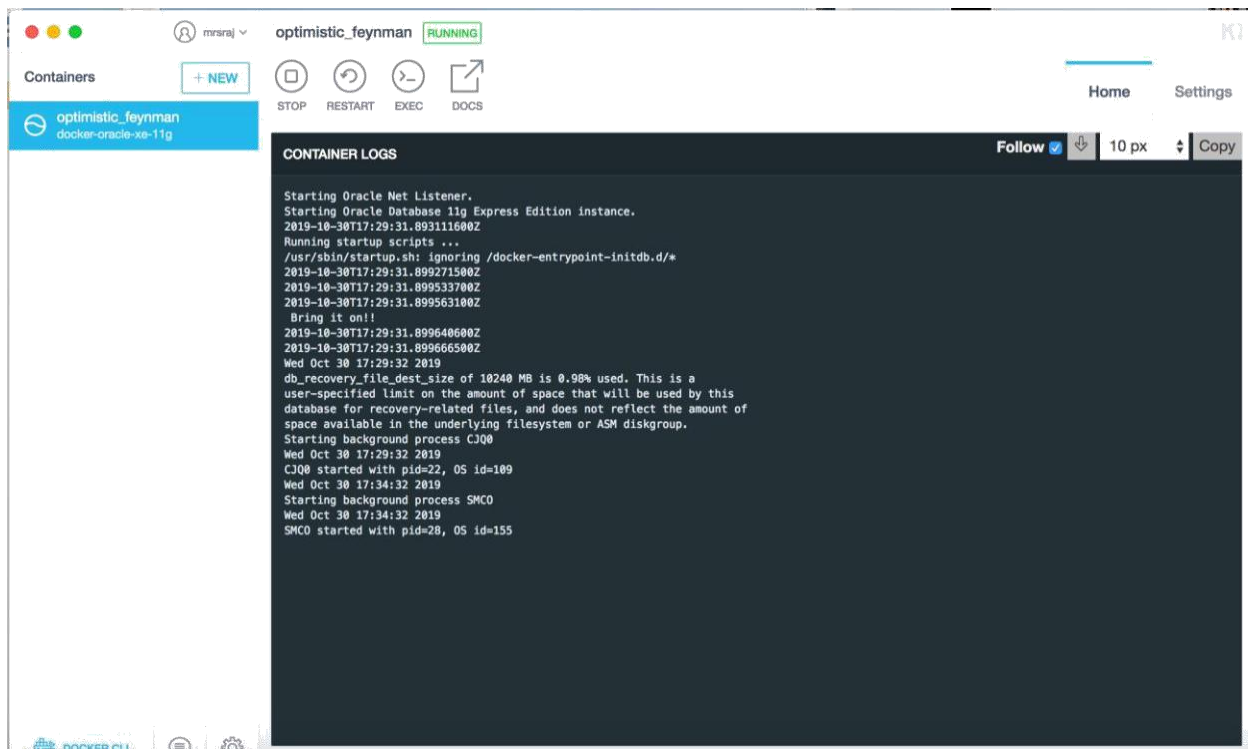
ERROR:
ORA-28002: the password will expire within 7 days


Connected to:
Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

SQL> 
```

Use Kitematic to manage the container
Click on the whale in the top status bar
Select Kitematic & follow steps to download & install it

After use, stop the container.
To start again, locate your container, Start the container if stopped



Click EXEC button, a terminal will open or use terminal to Run below commands:
docker exec -it <container name> /bin/bash

sqlplus system/oracle@//localhost:1521/xe

```
# sqlplus system/oracle@//localhost:1521/xe
SQL*Plus: Release 12.1.0.2.0 Production on Sat Oct 26 22:46:14 2019
Copyright (c) 1982, 2014, Oracle. All rights reserved.

Connected to:
Oracle Database 12c Standard Edition Release 12.1.0.2.0 - 64bit Production
```

5. (Optional) Connect to oracle database using SQL developer

- You can download sql developer from [here](#).
- Unzip and install it.
- Test the connection to your oracle database using the username **system** and password **oracle**.
Choose any connection name. You can use the default hostname, port and SID.

New / Select Database Connection

Connection Na...	Connection D...
Connection Name: Oracle System	
Username: system	
Password:	
<input type="checkbox"/> Save Password <input checked="" type="checkbox"/> Connection Color	
Oracle	
Connection Type: Basic Role: default	
Hostname: localhost	
Port: 1521	
<input checked="" type="radio"/> SID: xe	
<input type="radio"/> Service name:	
<input type="checkbox"/> OS Authentication <input type="checkbox"/> Kerberos Authentication <input type="button" value="Advanced..."/>	

Status : Success

6. Use same credentials as above for accessing oracle database from NetBeans IDE.