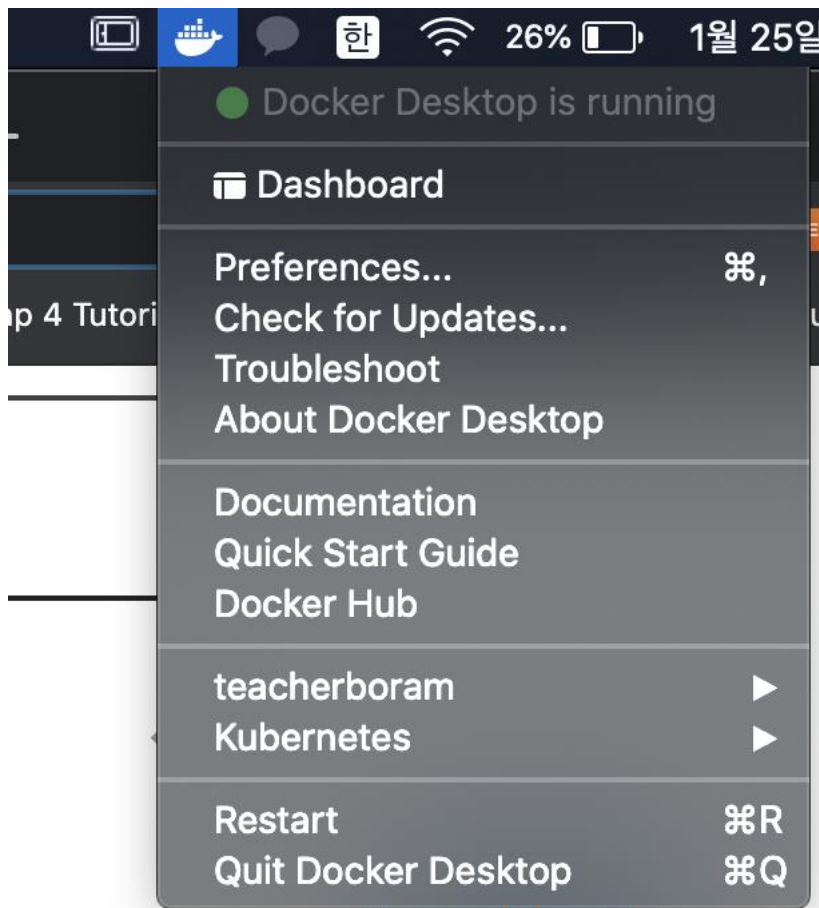


< mac 에서 oracle 설치 방법 >

기본적으로 오라클에서는 mac에 설치가 되게 바로 제공을 하지 않아 docker라는걸 이용해서 oracle을 설치할 수 밖에 없다!!

1. 제일 먼저 Docker라는걸 설치 해야됨 (아래 링크 참고해서 설치)
<https://whitepaek.tistory.com/38>
2. 설치가 다 완료되고 로그인이 될 경우 하단처럼 상단에 고래아이콘이 보여질 것
그리고 현재 docker가 실행중인 경우 Docker Desktop is running 이라고 보여짐



3. 맥에 터미널 창을 켜서 Docker를 통해 oracle-xe-11g를 설치할 만한 것들이 뭐가 있는지 검색해보자

>> **docker search oracle-xe-11g**

```
boram@BoramKangui-MacBookPro:~
Last login: Mon Jan 25 23:43:26 on ttys004
boram ~$ docker search oracle-xe-11g
```

NAME	DESCRIPTION	STARS	OFFICIAL	AUTOMATED
oracleinanutshell/oracle-xe-11g		133		
wnameless/oracle-xe-11g-r2	Oracle Express Edition 11g Release 2 on Ubun...	52		
orangehrm/oracle-xe-11g	docker container with Oracle Express Editio...	15		[OK]
christophesurmont/oracle-xe-11g	Clone of the wnameless/oracle-xe-11g.	6		
ukhomeofficedigital/oracle-xe-11g	Oracle Database Express Edition 11g Container	4		[OK]
thebookpeople/oracle-xe-11g		3		
jaspeen/oracle-xe-11g	Fork from sath89/docker-oracle-xe-11g - smal...	3		[OK]
wscherphof/oracle-xe-11g-r2	Oracle® Database Express Edition 11g Release...	3		
mcgregorandrew/oracle-xe-11g	Oracle image with password expiry time set t...	2		
alxfduch/oracle-xe-11g-tridion	Oracle Express 11g R2 on Ubuntu 16.04 LTS Tr...	2		
acktsw/oracle-xe-11g	fork from https://hub.docker.com/r/sath89/or...	1		[OK]
wilxlm/oracle-xe-11g	docker-oracle-xe-11g	1		
webdizz/oracle-xe-11g-sa	This is a simple image based on sath89/orac...	1		[OK]
larmic/oracle-xe-11g	Using wnameless/oracle-xe-11g with created u...	0		
activeeon/oracle-xe-11g		0		
toneloc01/oracle-xe-11g	Out-of-the-box oracle xe image from ubuntu 1...	0		
gaesi/oracle-xe-11g	Based on: oracleinanutshell/oracle-xe-11g	0		
zeroturnaround/oracle-xe-11g		0		
nrtholtz/oracle-xe-11g	nrtholtz/oracle-xe-11g	0		
aerisconsulting/oracle-xe-11g	Oracle Express 11g R2 on Ubuntu 16.04 LTS (b...	0		
andrybell/oracle-xe-11g-centos	Oracle Express Edition 11g Release 2 on Cent...	0		
wjma90/oracle-xe-11g		0		
avuletica/oracle-xe-11g-r2	Dockerfile of Oracle Database Express Editio...	0		
paliari/oracle-xe-11g		0		
cjkas/oracle-xe-11g		0		

```
boram ~$
```

4. 저 목록들 중 jaspeen/oracle-xe-11g 다운로드 받아보자

>> **docker pull jaspeen/oracle-xe-11g**

```
boram ~$ docker pull jaspeen/oracle-xe-11g
Using default tag: latest
latest: Pulling from jaspeen/oracle-xe-11g
Image docker.io/jaspeen/oracle-xe-11g:latest uses outdated schema1 manifest format. Please upgrade to a schema2 image for better future compatibility. Mor
e information at https://docs.docker.com/registry/spec/deprecated-schema-v1/
863735b9fd15: Already exists
4fbba2f403df: Already exists
44be94a95984: Already exists
a3ed95caeb02: Already exists
05b9ddeb40d9: Already exists
b44894d2d2af: Already exists
1492d1fc5b9f: Already exists
c0f3c6ec8986: Already exists
fbfc89a21b1b: Already exists
740047056d21: Already exists
Digest: sha256:0a4b0456cd5be4982ab28ca9426672acee6d90734873d15124698c5c07055aa9
Status: Image is up to date for jaspeen/oracle-xe-11g:latest
docker.io/jaspeen/oracle-xe-11g:latest
boram ~$
```

이구문 까지 나왔으면 완료

5. 현재 다운된 걸로 본격적으로 실행 및 컨테이너 만드는 과정을 진행할꺼임!
(구동시킬 컨테이너의 이름은 oracle11g로 지어주겠음!)
시간이 좀 걸릴 수 있고 사진과 같이 마지막에 Enjoy! ;) 구문나올 때까지 기다릴 것!!

```
>> docker run --name oracle11g -p 1521:1521 -p 8080:8080 -e ORACLE_ALLOW_REMOTE=true  
--restart=always jaspeen/oracle-xe-11g
```

이름

```
boram ➤ docker run --name oracle11g -p 1521:1521 -p 8080:8080 -e ORACLE_ALLOW_REMOTE=true --restart=always jaspeen/oracle-xe-11g
ls: cannot access /u01/app/oracle/oradata: No such file or directory
Database not initialized. Initializing database.
Setting up:
processes=500
sessions=555
transactions=610
If you want to use different parameters set processes, sessions, transactions env variables and consider this formula:
processes=x
sessions=x*1.1+5
transactions=sessions*1.1

Oracle Database 11g Express Edition Configuration
-----
This will configure on-boot properties of Oracle Database 11g Express
Edition. The following questions will determine whether the database should
be starting upon system boot, the ports it will use, and the passwords that
will be used for database accounts. Press <Enter> to accept the defaults.
Ctrl-C will abort.

Specify the HTTP port that will be used for Oracle Application Express [8080]:
Specify a port that will be used for the database listener [1521]:
Specify a password to be used for database accounts. Note that the same
password will be used for SYS and SYSTEM. Oracle recommends the use of
different passwords for each database account. This can be done after
initial configuration:
Confirm the password:

Do you want Oracle Database 11g Express Edition to be started on boot (y/n) [y]:
Starting Oracle Net Listener...Done
Configuring database...Done
Starting Oracle Database 11g Express Edition instance...Done
Installation completed successfully.
Database initialized. Please visit http://#container:8080/apex to proceed with configuration
Oracle Database 11g Express Edition instance is already started

Database ready to use. Enjoy! ;)
```

이구문 까지 나왔으면 완료

6. 잘 설치되었는지 확인 해보자! 터미널 창을 꺾다가 다시 켜서 현재 구동 중인 컨테이너 목록을 볼 수 있음! (그럼 우리가 아까 이름 지어준 oracle11g가 구동 중인거 확인가능!)

```
>> docker ps
```

```
boram@BoramKangui-MacBookPro:~
Last login: Mon Jan 25 23:53:30 on ttys001
boram ➤ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
91ba17ea6f1d	jaspeen/oracle-xe-11g	"/entrypoint.sh "	4 minutes ago	Up 4 minutes	0.0.0.0:1521->1521/tcp, 0.0.0.0:8080->8080/tcp	oracle11g

아까 지어준 oracle11g라는 이름이 보여지면 진짜 설치 완료