

# Install Postgres

```
brew install postgresql
# runs: initdb --locale=C -E UTF-8 /opt/homebrew/var/postgres
brew services start postgresql
psql -l
# output
```

List of databases						
Name	Owner	Encoding	Collate	Ctype	Access privileges	
-----+-----+-----+-----+-----+-----						
postgres	<user>	UTF8	C	C		
template0	<user>	UTF8	C	C	=c/<user>	+
					<user>=CTc/<user>	
template1	<user>	UTF8	C	C	=c/<user>	+
					<user>=CTc/<user>	

# Create DB

```
# create database  
createdb test  
# delete database  
dropdb test  
# create database for spring boot project  
createdb booking
```

# Setup user

```
# create user
createuser -s db_user
# optional for local testing: Set a password
psql booking db_user
    \password change_secret
    \q
# enable security for local postgres
vi /opt/homebrew/var/postgres/pg_hba.conf
# e.g. change 'trust' to 'password' or 'peer' (os user)
# host      all          all          127.0.0.1/32      trust
# to
# host      all          all          127.0.0.1/32      password
brew services restart postgresql
```

# Docker alternative

```
# pull postgres and run it
docker pull postgres
docker run --name db1 -d postgres

# run commands inside the container
docker exec -it db1 bash
su - postgres -c psql
# Now you can run psql commands. Use \q to exit
```

# Download Sample Project

```
cd myprojects  
git clone git@github.com:fredfredfred/ah-springboot-postgres.git
```