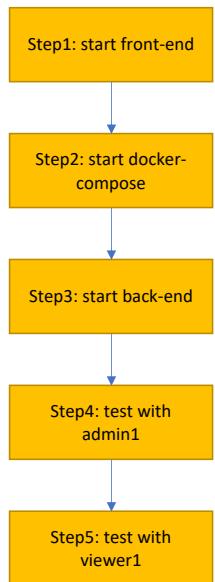


There are 5 steps for testing :



Step1: Start front-end

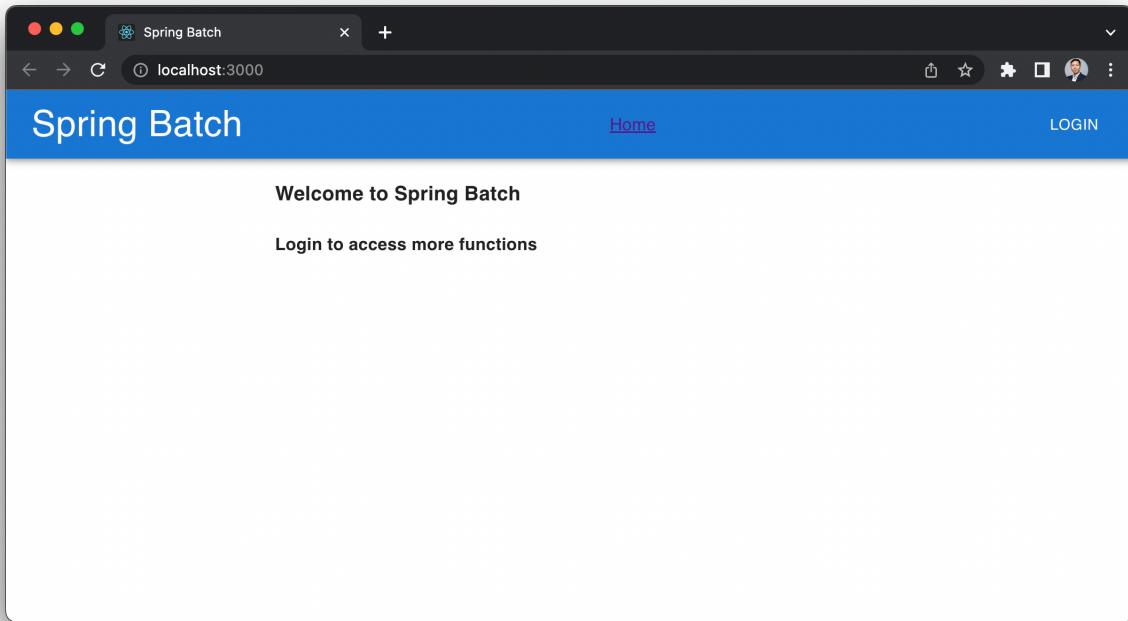
Using Terminal with below commands:

cd frontend

npm i

npm start

front-end starts on localhost:3000



Step2: Start docker-compose

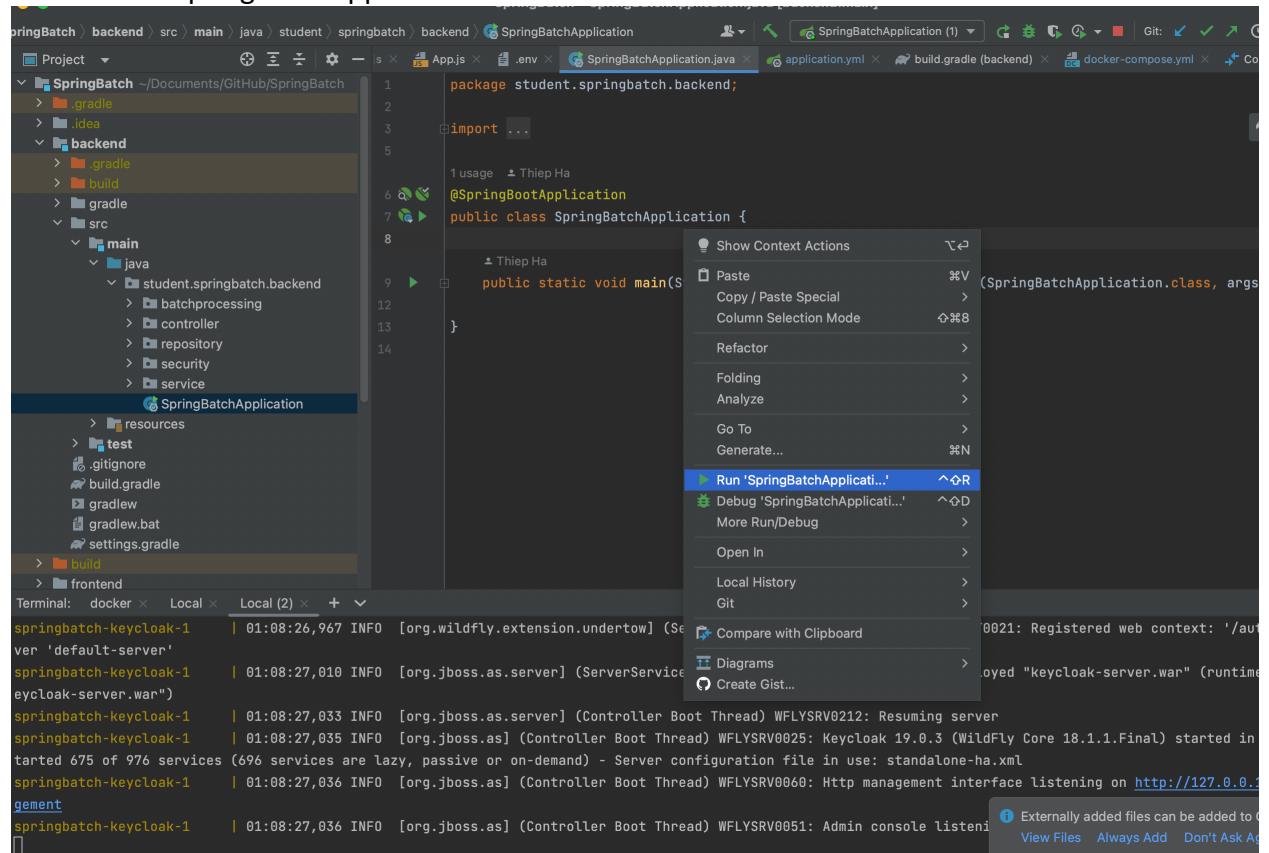
Using terminal with below commands

docker-compose up

```
springbatch-keycloak-1 | 01:08:26,967 INFO [org.wildfly.extension.undertow] (ServerService Thread Pool -- 70) WFLYUT0021: Registered web context: '/auth' for
ver 'default-server'
springbatch-keycloak-1 | 01:08:27,010 INFO [org.jboss.as.server] (ServerService Thread Pool -- 45) WFLYSRV0010: Deployed "keycloak-server.war" (runtime-name :
keycloak-server.war")
springbatch-keycloak-1 | 01:08:27,033 INFO [org.jboss.as.server] (Controller Boot Thread) WFLYSRV0212: Resuming server
springbatch-keycloak-1 | 01:08:27,035 INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0025: Keycloak 19.0.3 (WildFly Core 18.1.1.Final) started in 9128ms
started 675 of 976 services (696 services are lazy, passive or on-demand) - Server configuration file in use: standalone-ha.xml
springbatch-keycloak-1 | 01:08:27,036 INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0060: Http management interface listening on http://127.0.0.1:9990/m
gement
springbatch-keycloak-1 | 01:08:27,036 INFO [org.jboss.as] (Controller Boot Thread) WFLYSRV0051: Admin console listening on http://127.0.0.1:9990
```

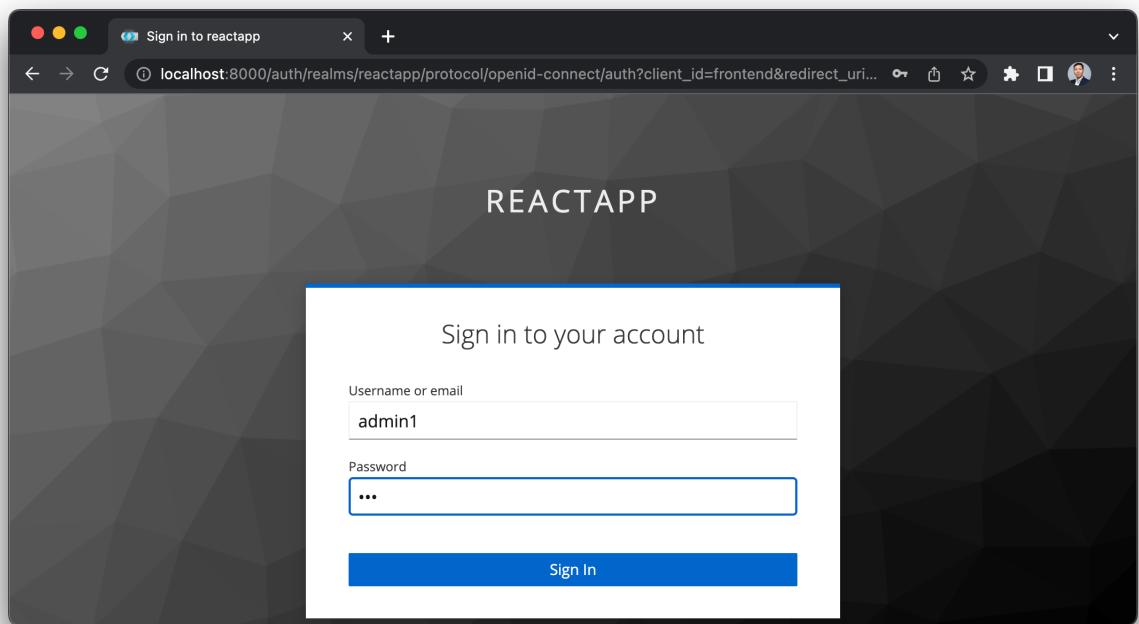
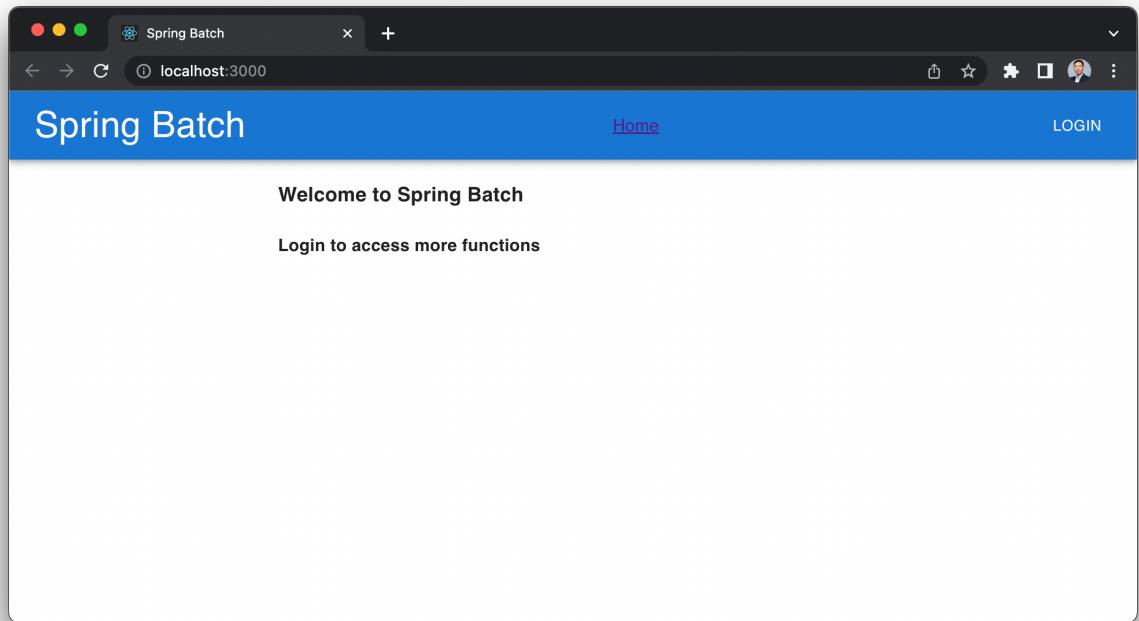
Step 3: Start back-end

Run 'SpringBatchApplication'

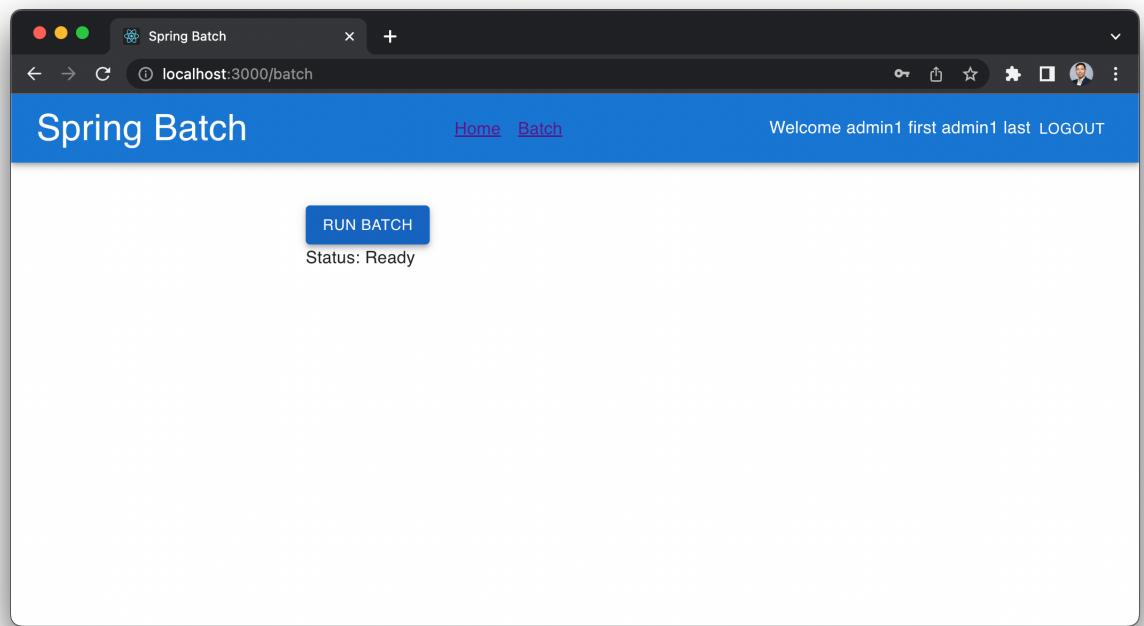
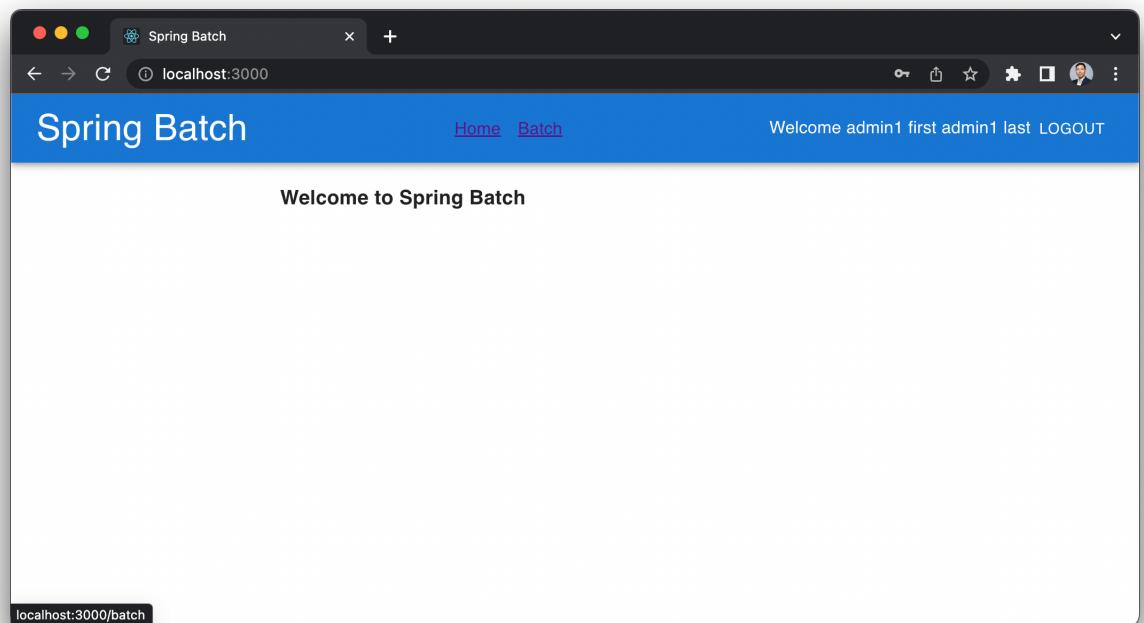


Step 4: test with admin role

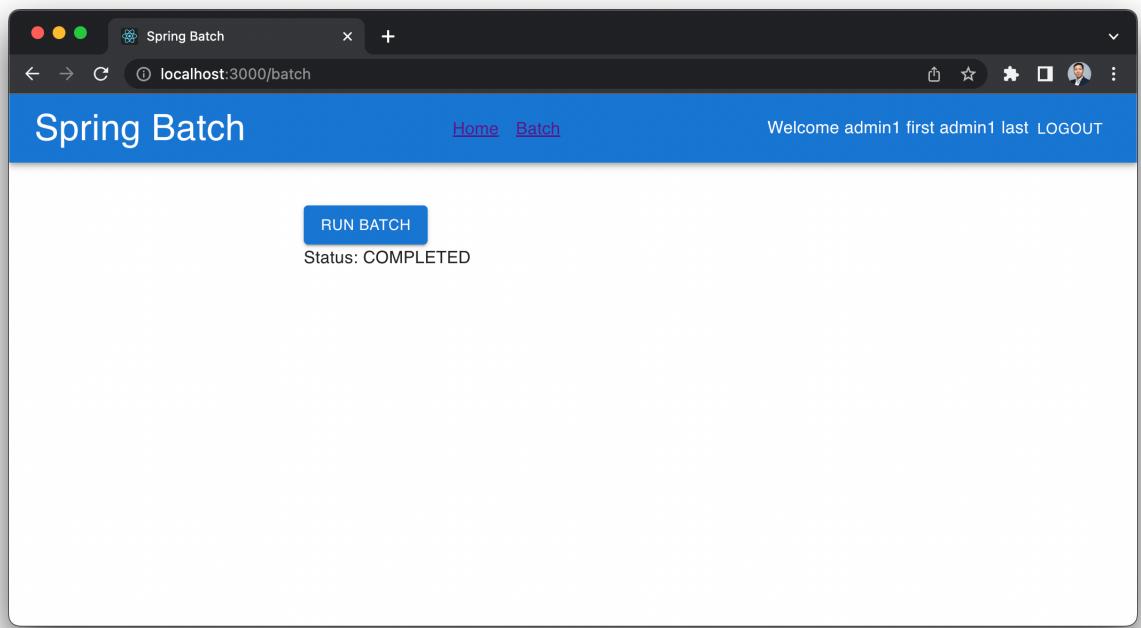
- Login with user admin1 / 123



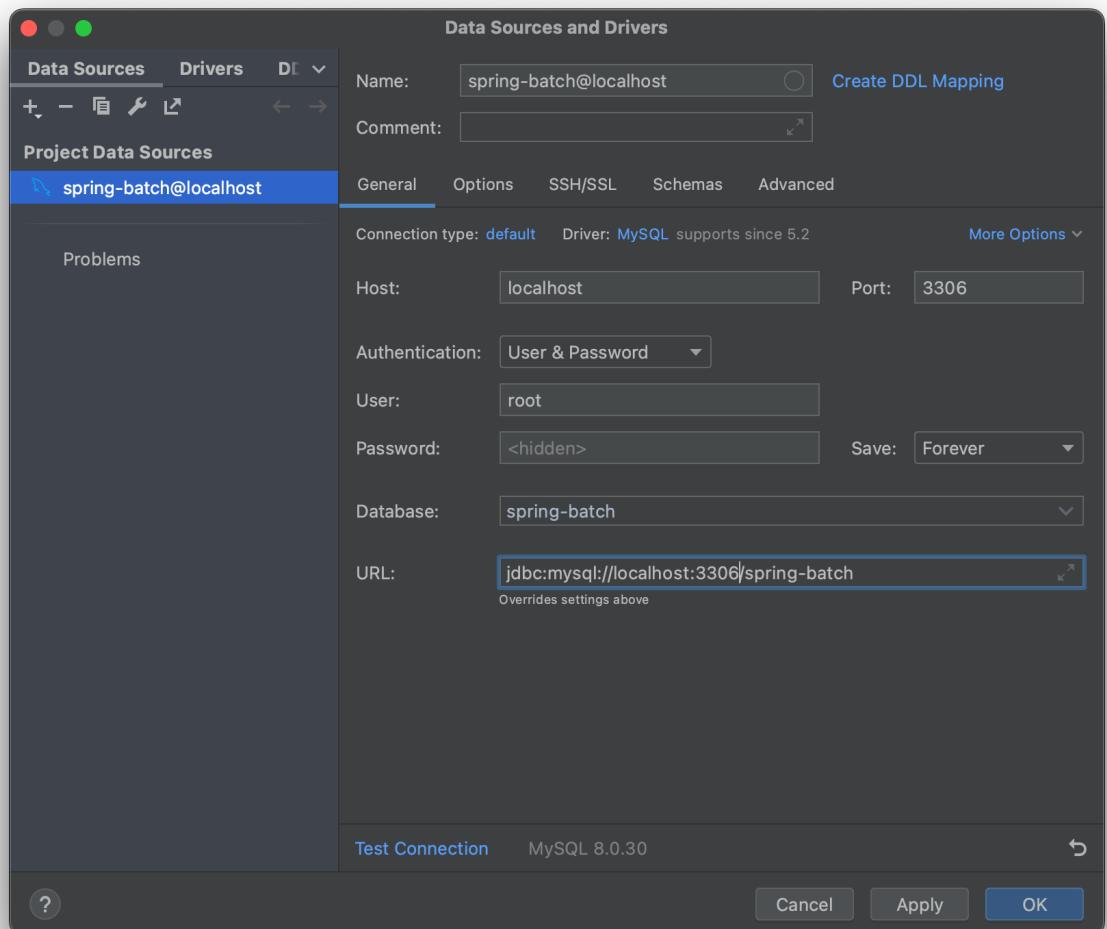
Choose Batch function

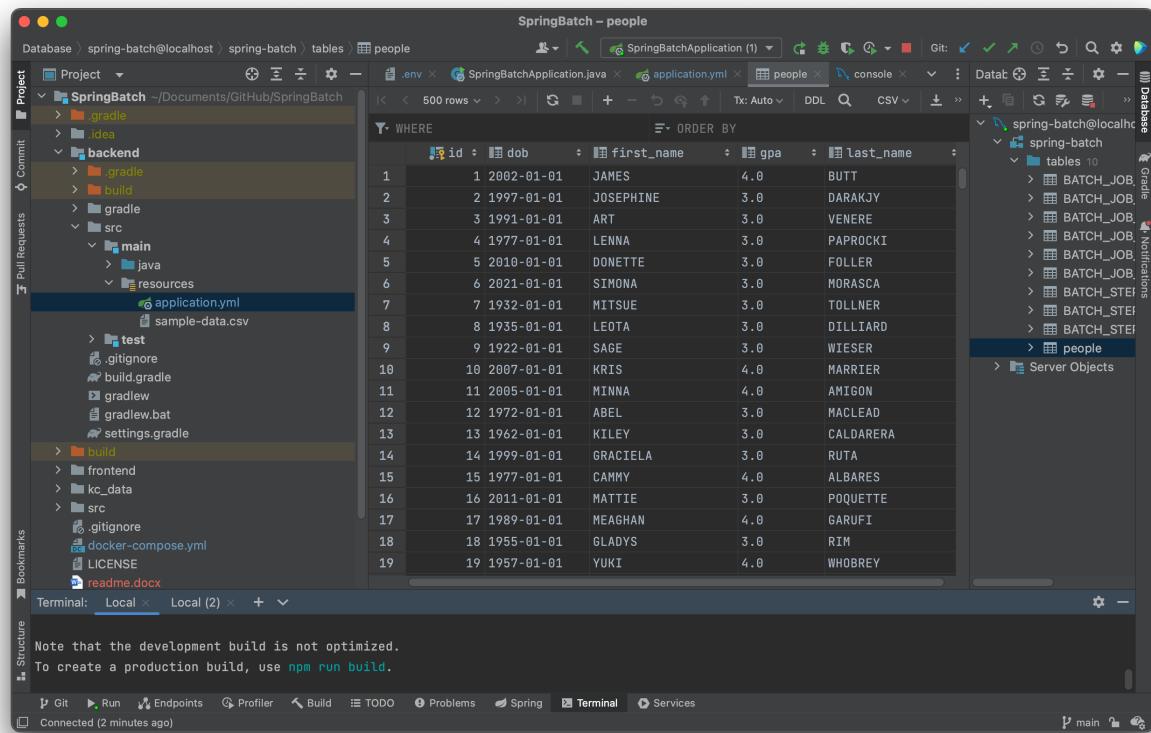


Job completed

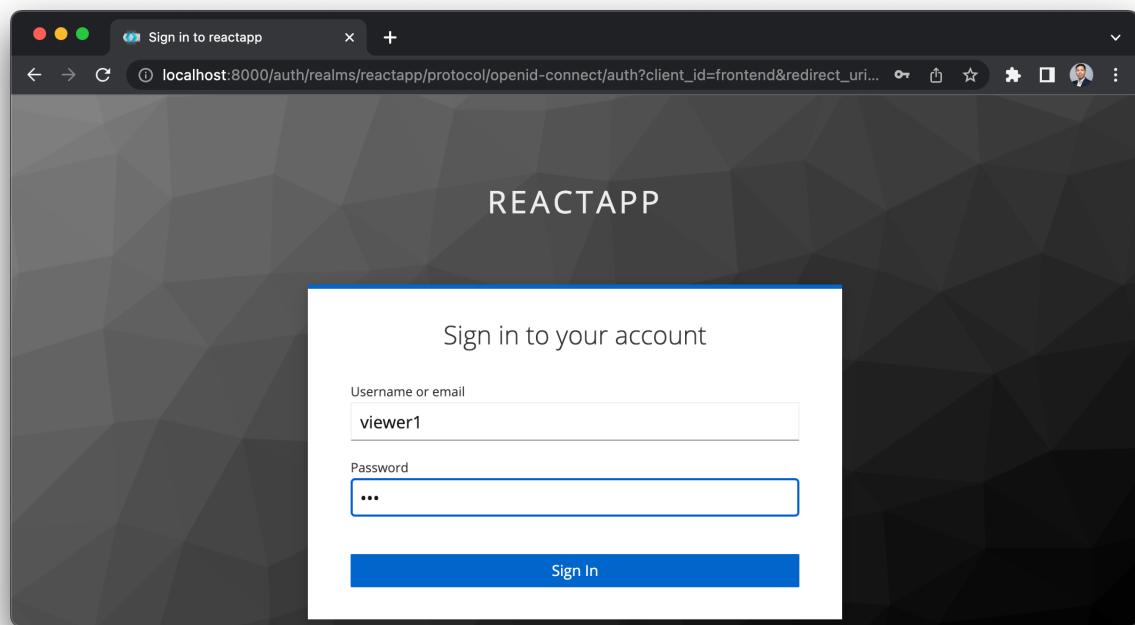


Validate MySQL with user root / dbadmin and database spring-batch





Step 5: Test with user viewer1 / 123



Result Error

