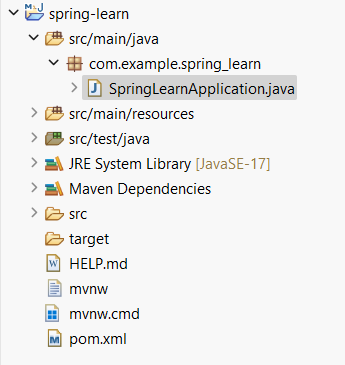
**WEEK - 4**

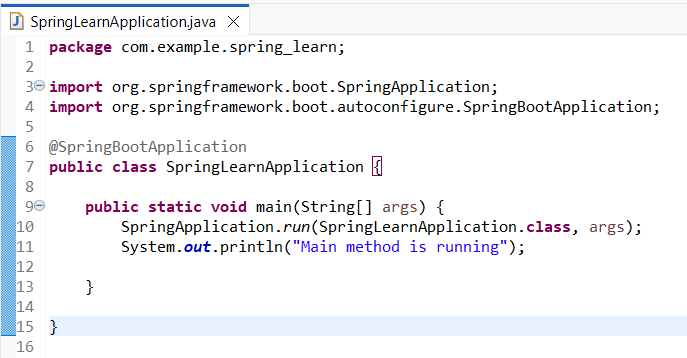
SKILL : SPRING REST USING SPRING BOOT

**Mandatory Hands-on exercises Exercise: Create a Spring Web Project using Maven**

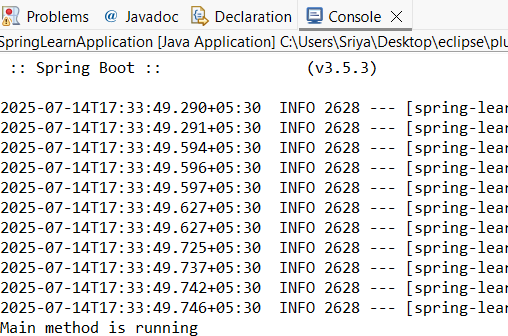
Project Structure:



SpringLearnApplication.java:

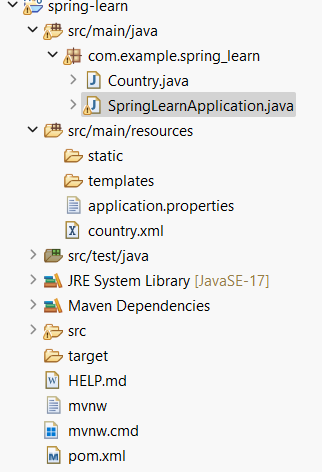


Output:

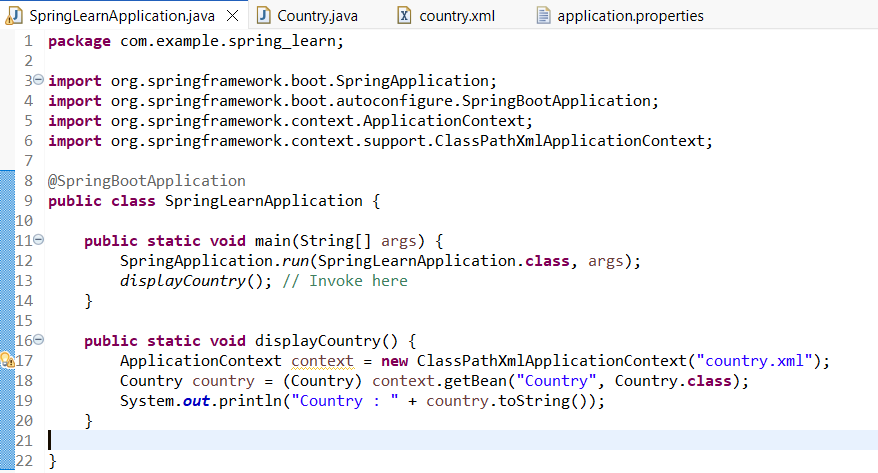


# Exercise: Spring Core – Load Country from Spring Configuration XML

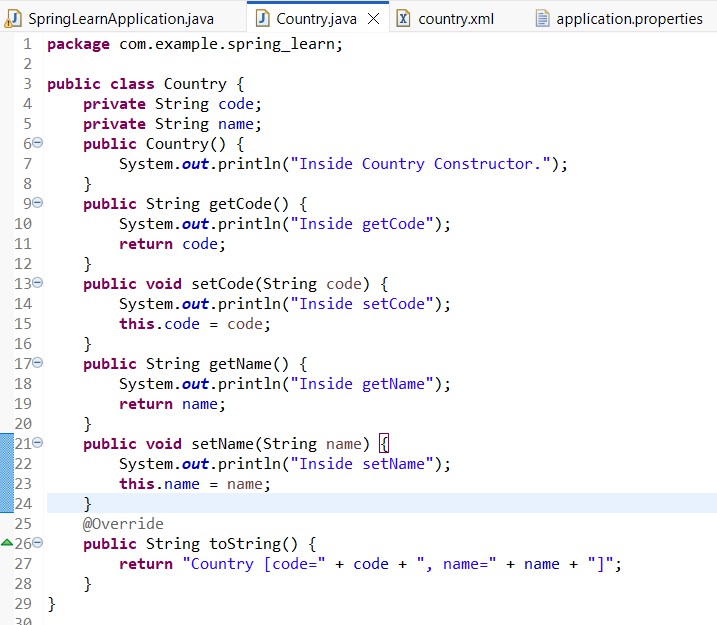
ProjectStructure:



SpringLearnApplication.java:



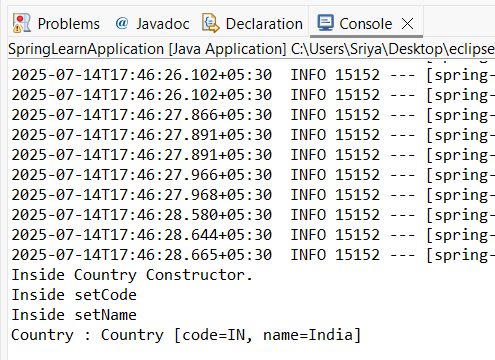
Country.java:



Country.xml:

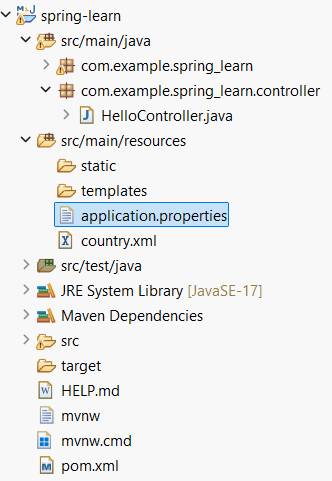


Output:

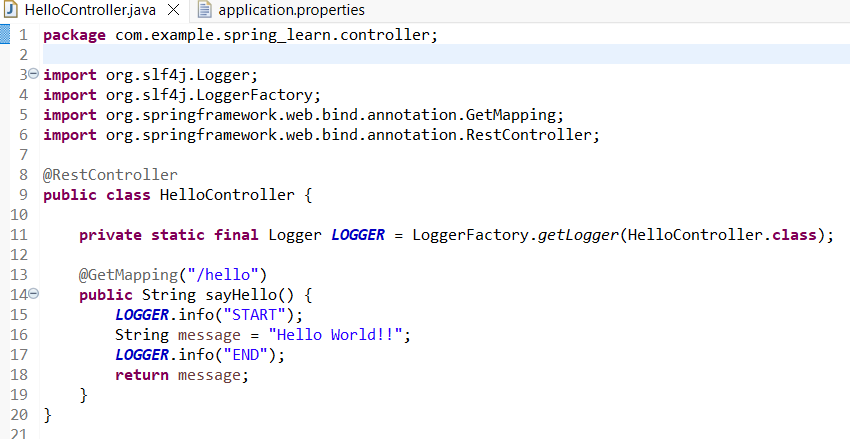


**Exercise: Hello World RESTful Web Service**

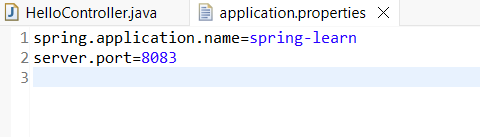
Project Structure:



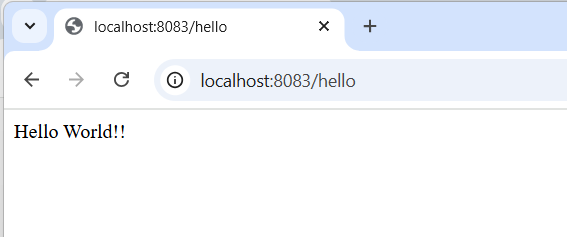
HelloController.java:



application.properties:

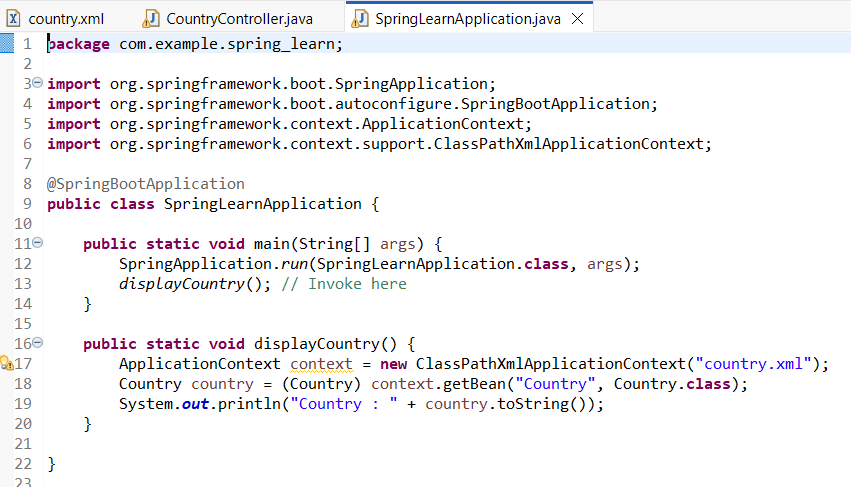


Output:



**Exercise: REST - Country Web Service**

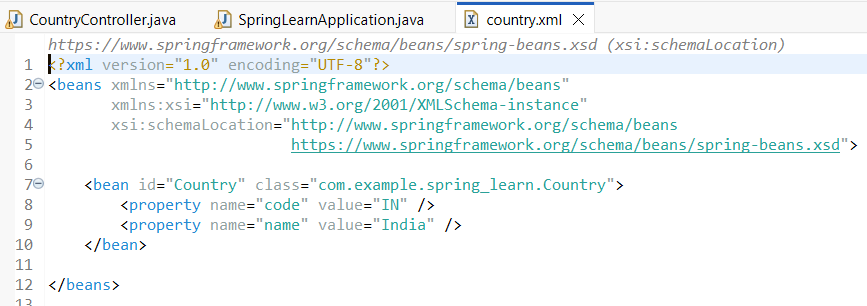
SpringLearnApplication.java:



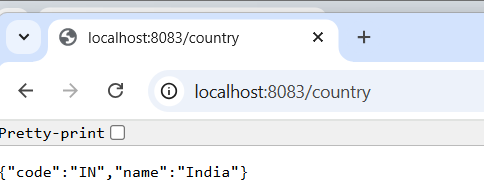
CountryController.java:



Country.xml:

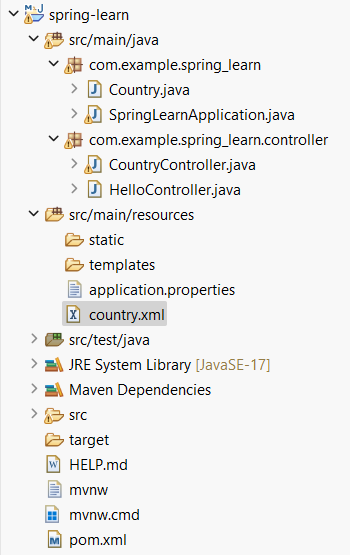


Output:

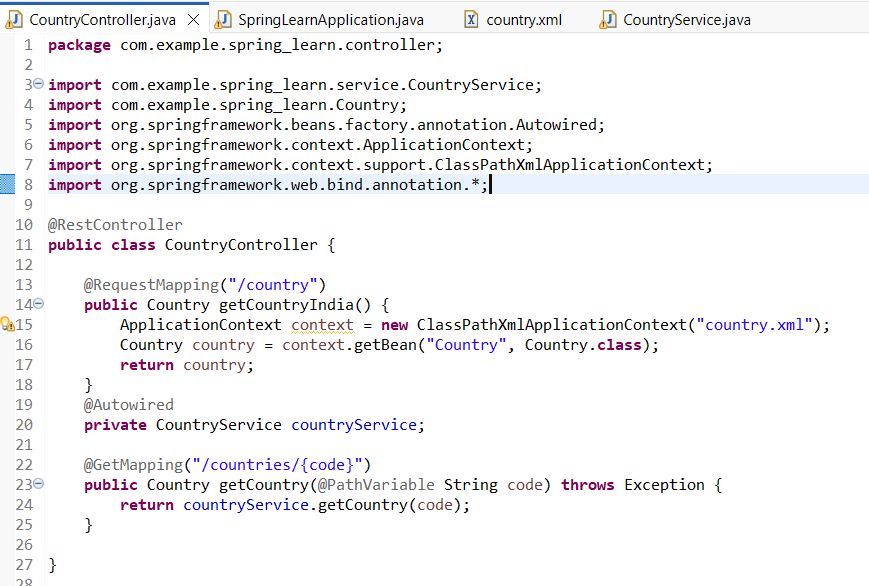


**Exercise: REST - Get country based on country code**

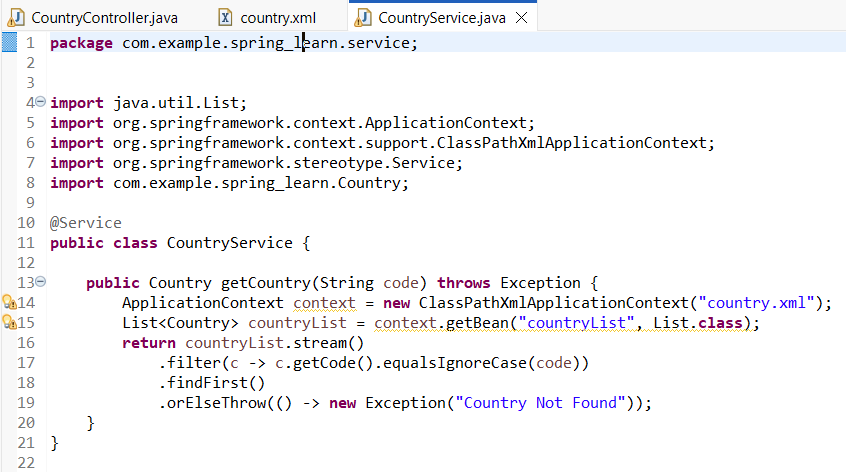
Project Structure:



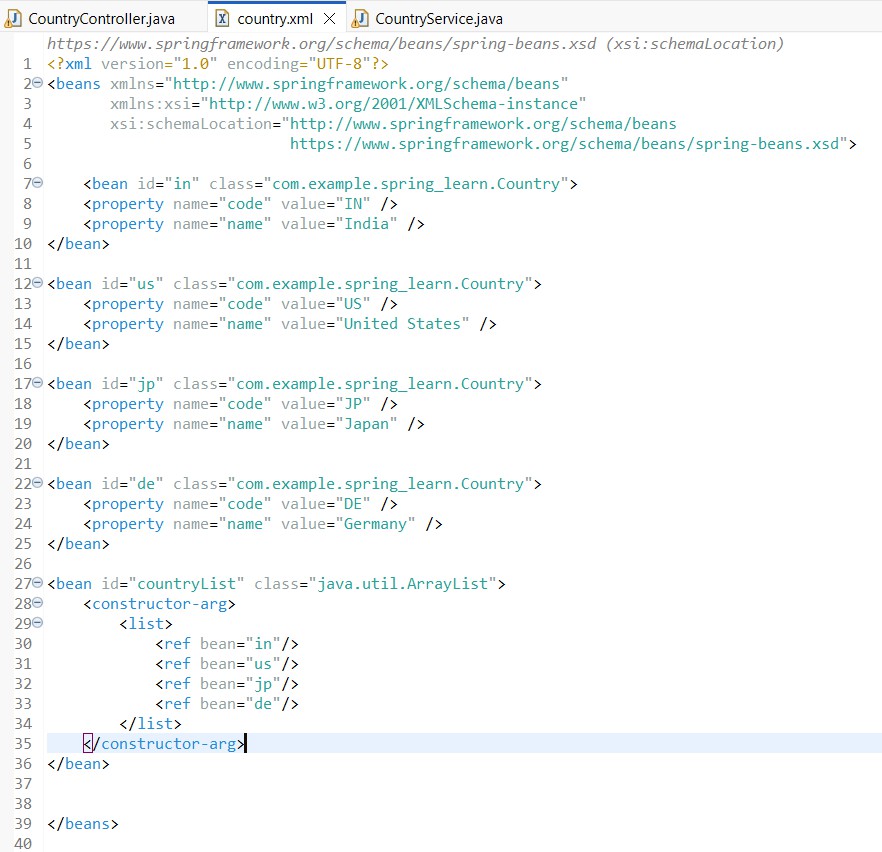
CountryController.java:



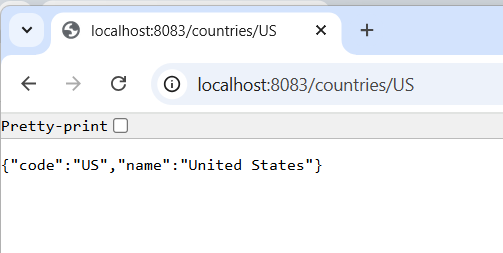
CountryService.java:

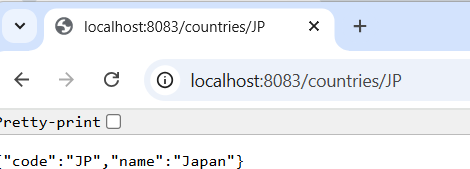


country.xml:



Output:

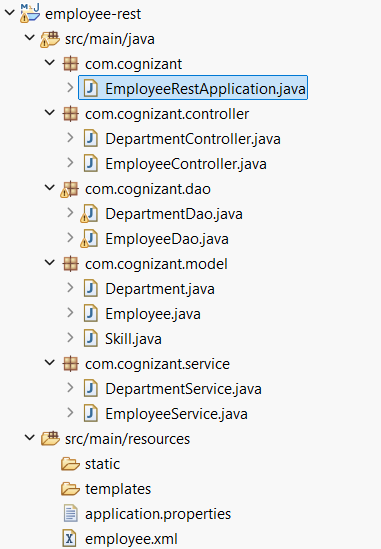




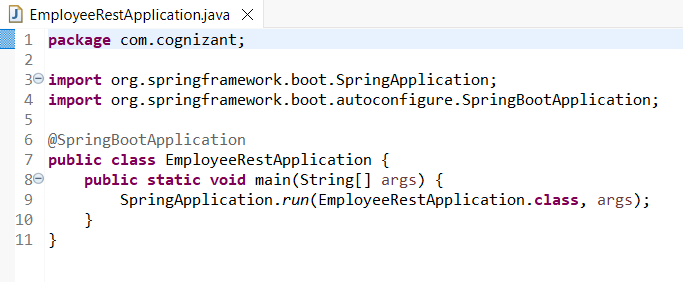
Exercise:

* **Create static employee list data using spring xml configuration**
* **Create REST service to gets all employees**
* **Create REST service for department**

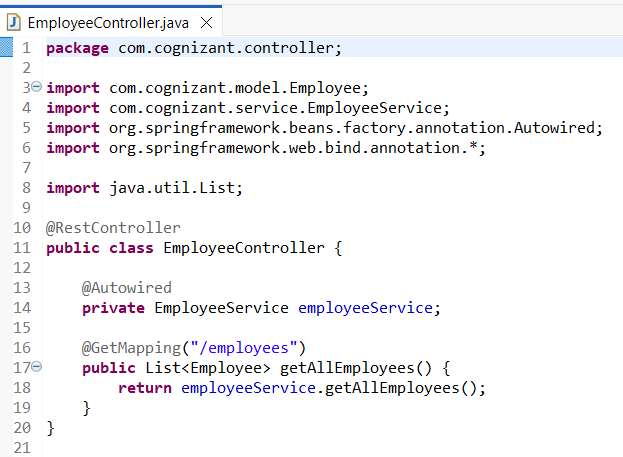
Project Structure:



EmployeeRestApplication.java:



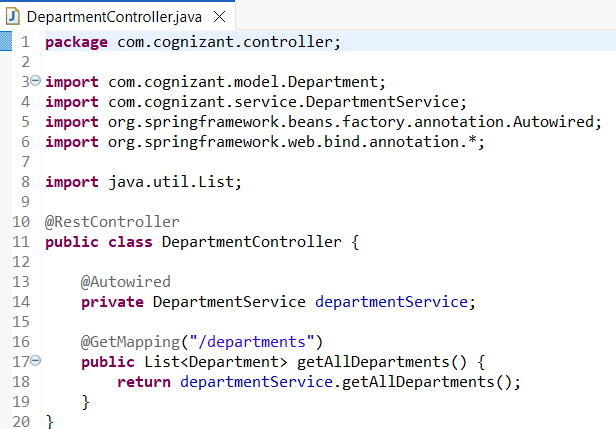
EmployeeController.java:



EmployeeDao.java:



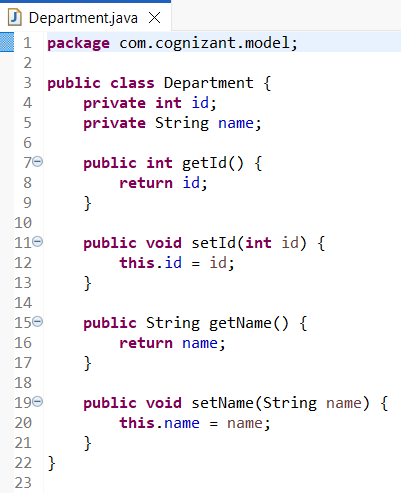
DepartmentController.java:



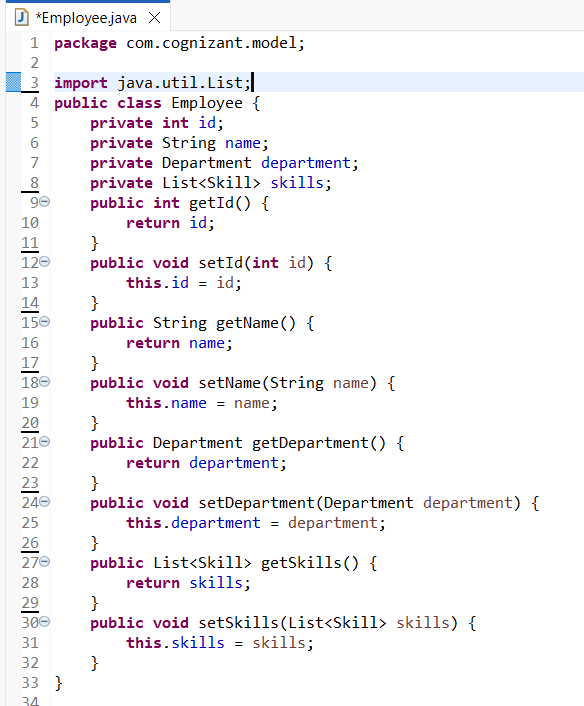
DepartmentDao.java:



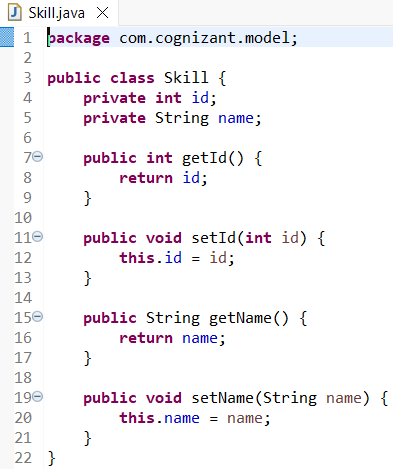
Department.java:



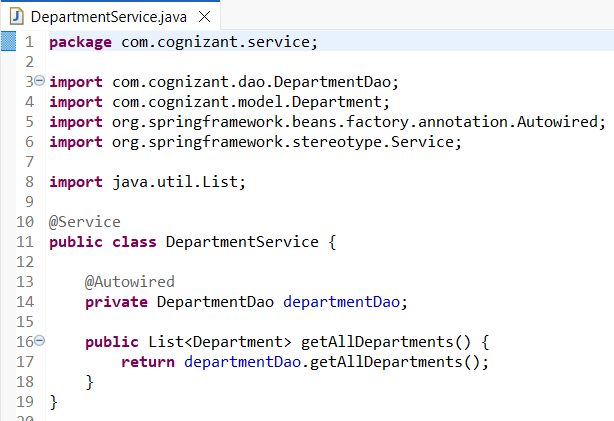
Employee.java:



Skill.java:



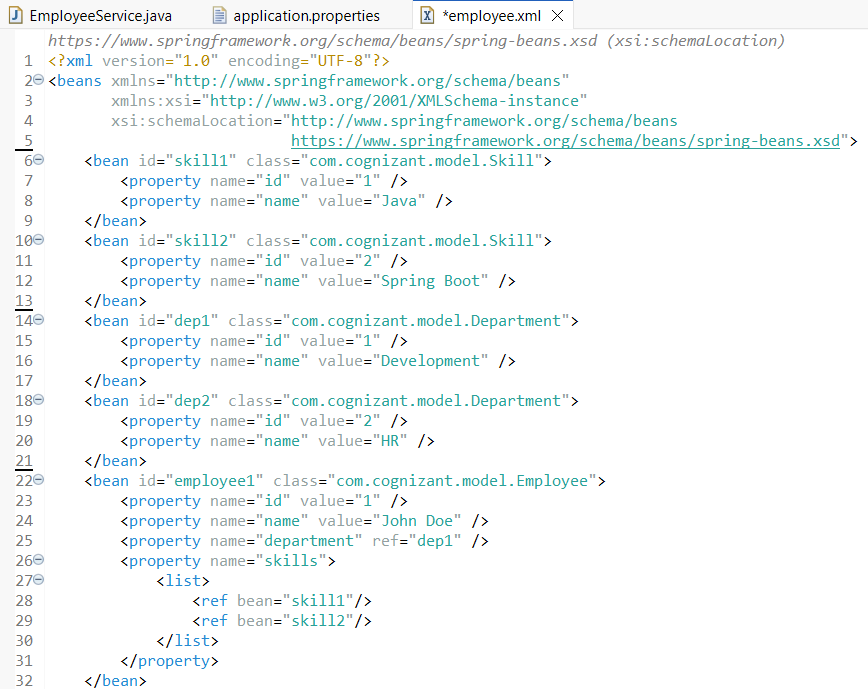
DepartmentService.java:



EmployeeService.java:

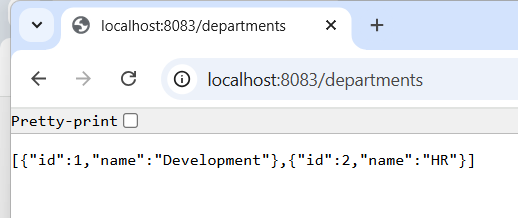


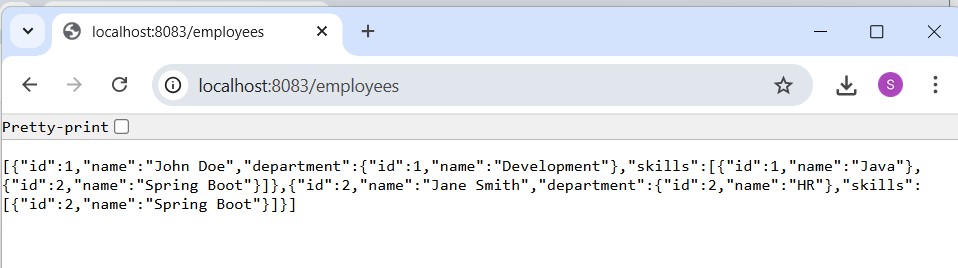
employee.xml:





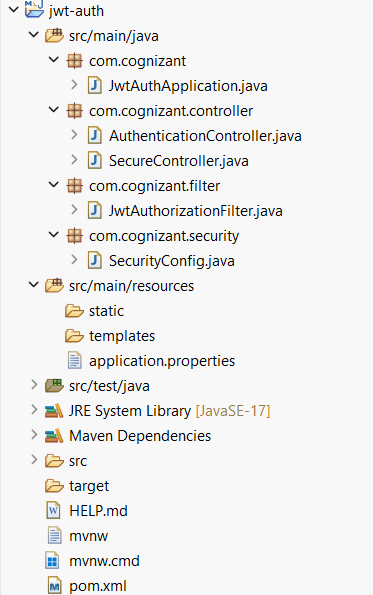
Output:



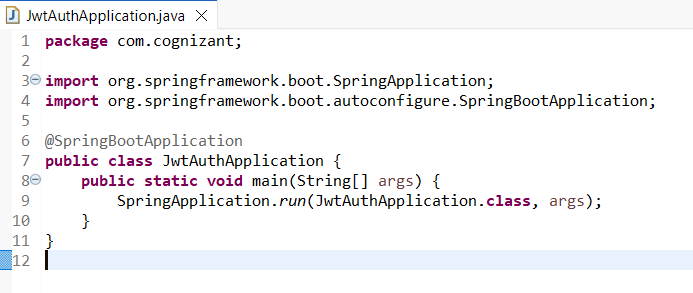


# Exercise: Create authentication service that returns JWT

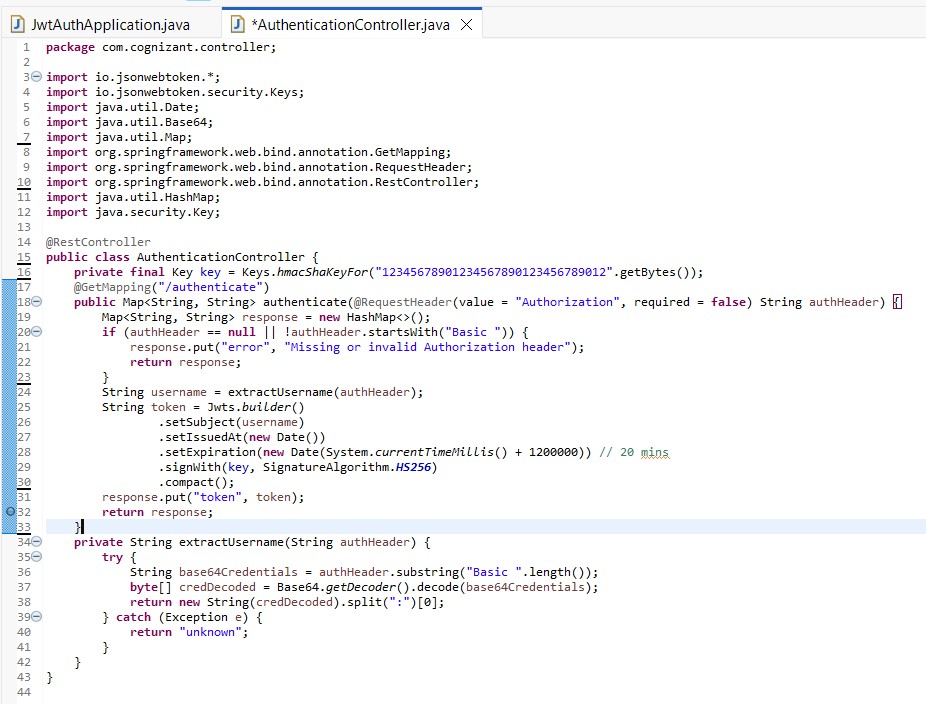
Project Structure:



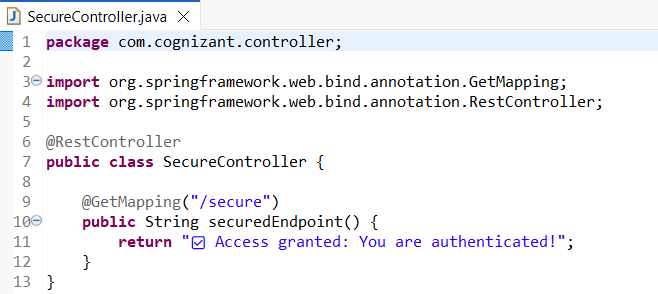
JwtAuthApplication.java:



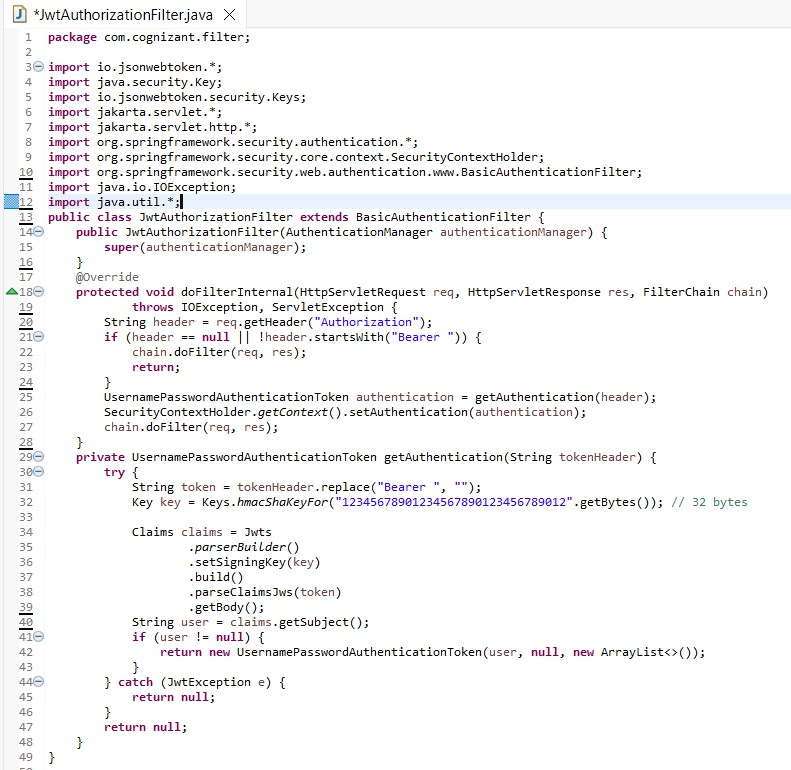
AuthenticationController.java:



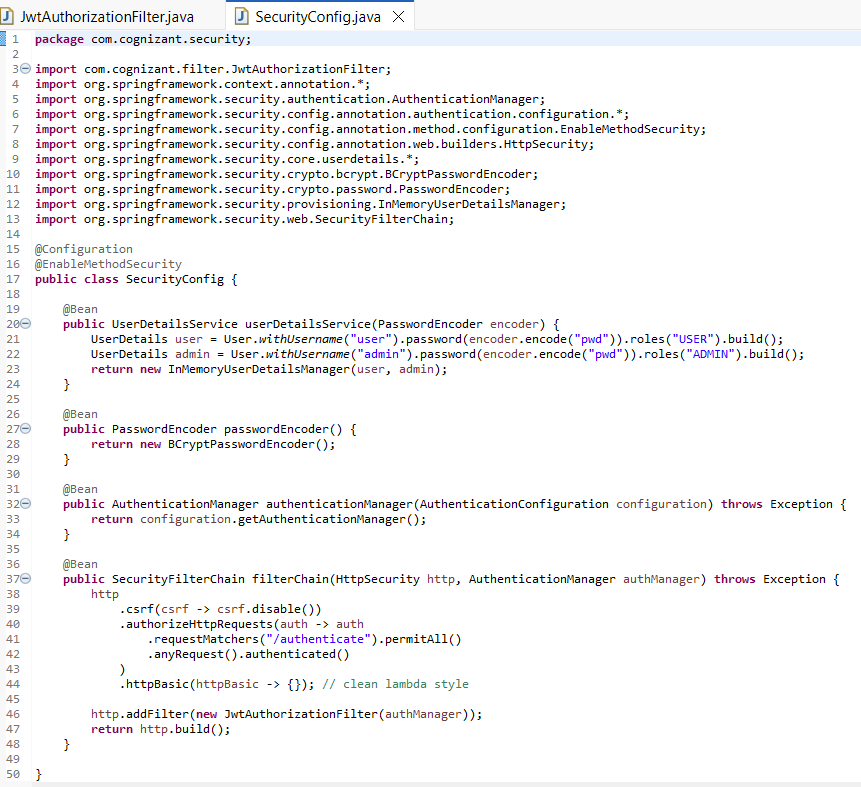
SecureController.java:



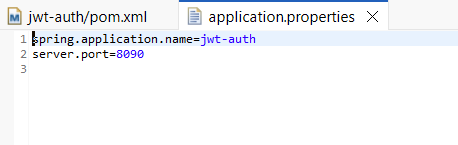
JwtAuthorizationFilter.java:

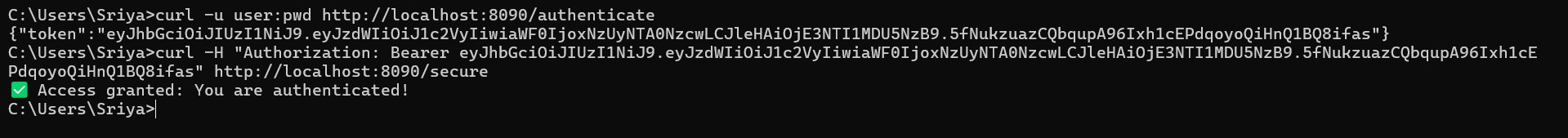


SecurityConfig.java:



application.properties:



Output:

