**Deep Skilling - Week 5 Mandatory Hands-on Exercises**

**Skill : Microservices**

**Exercise - 1: Creating Microservices for account and loan**

**Code:**

**AccountController.java**

**package com.cognizant.account.controller;**

**import org.springframework.web.bind.annotation.\*;**

**import java.util.Map;**

***@RestController***

***@RequestMapping*("/accounts")**

**public class AccountController {**

***@GetMapping*("/{number}")**

**public Map<String, Object> getAccount(*@PathVariable* String number) {**

**return Map.*of*(**

**"number", number,**

**"type", "savings",**

**"balance", 589647**

**);**

**}**

**}**

**account/application.properties**

**spring.application.name=account**

**server.port = 8010**

**LoanController.java**

**package com.cognizant.loan.controller;**

**import org.springframework.web.bind.annotation.\*;**

**import java.util.Map;**

***@RestController***

***@RequestMapping*("/loans")**

**public class LoanController {**

***@GetMapping*("/{number}")**

**public Map<String, Object> getLoan(*@PathVariable* String number) {**

**return Map.*of*(**

**"number", number,**

**"type", "car",**

**"loan", 400000,**

**"emi", 3258,**

**"tenure", 18**

**);**

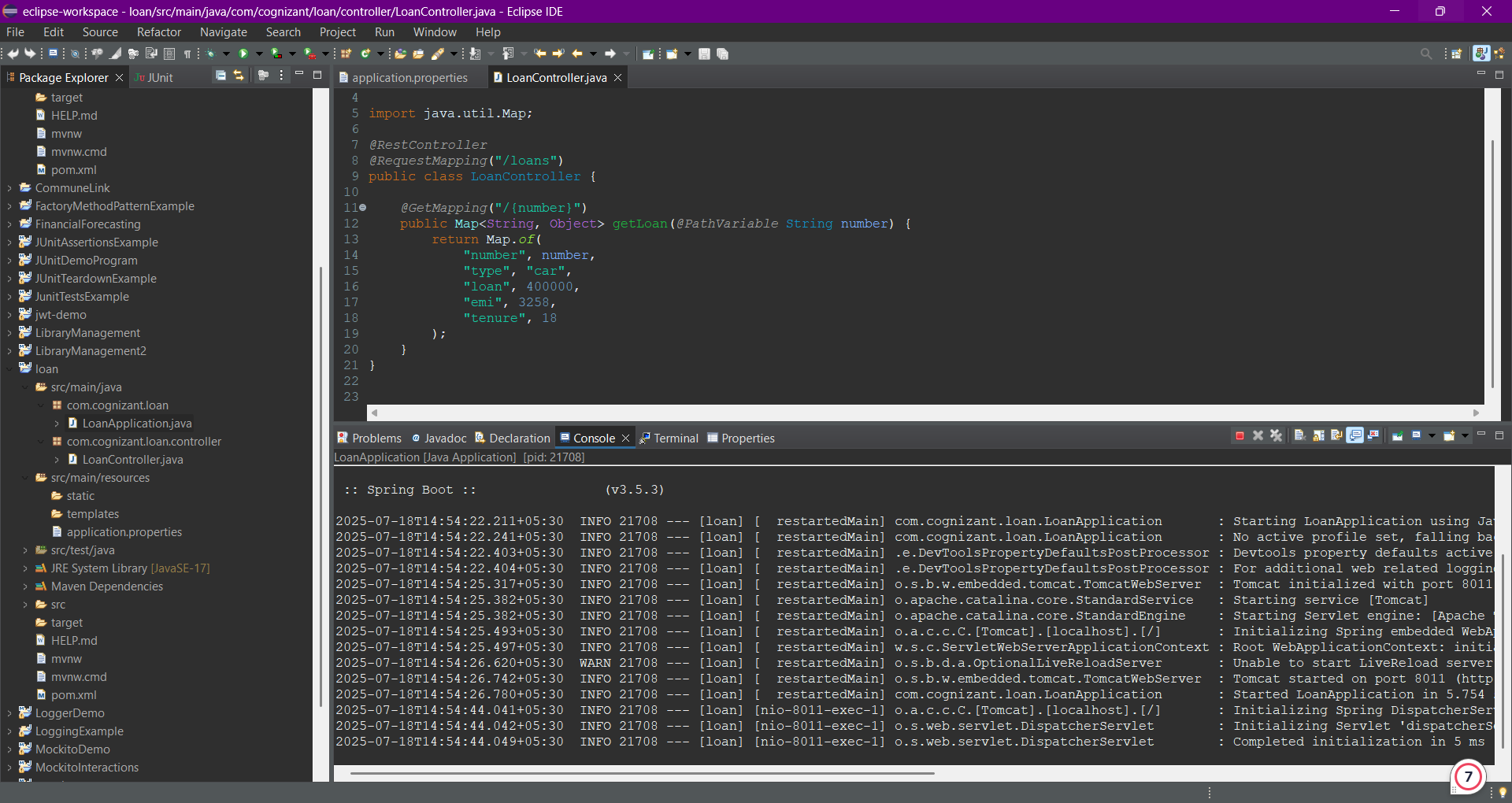
**}**

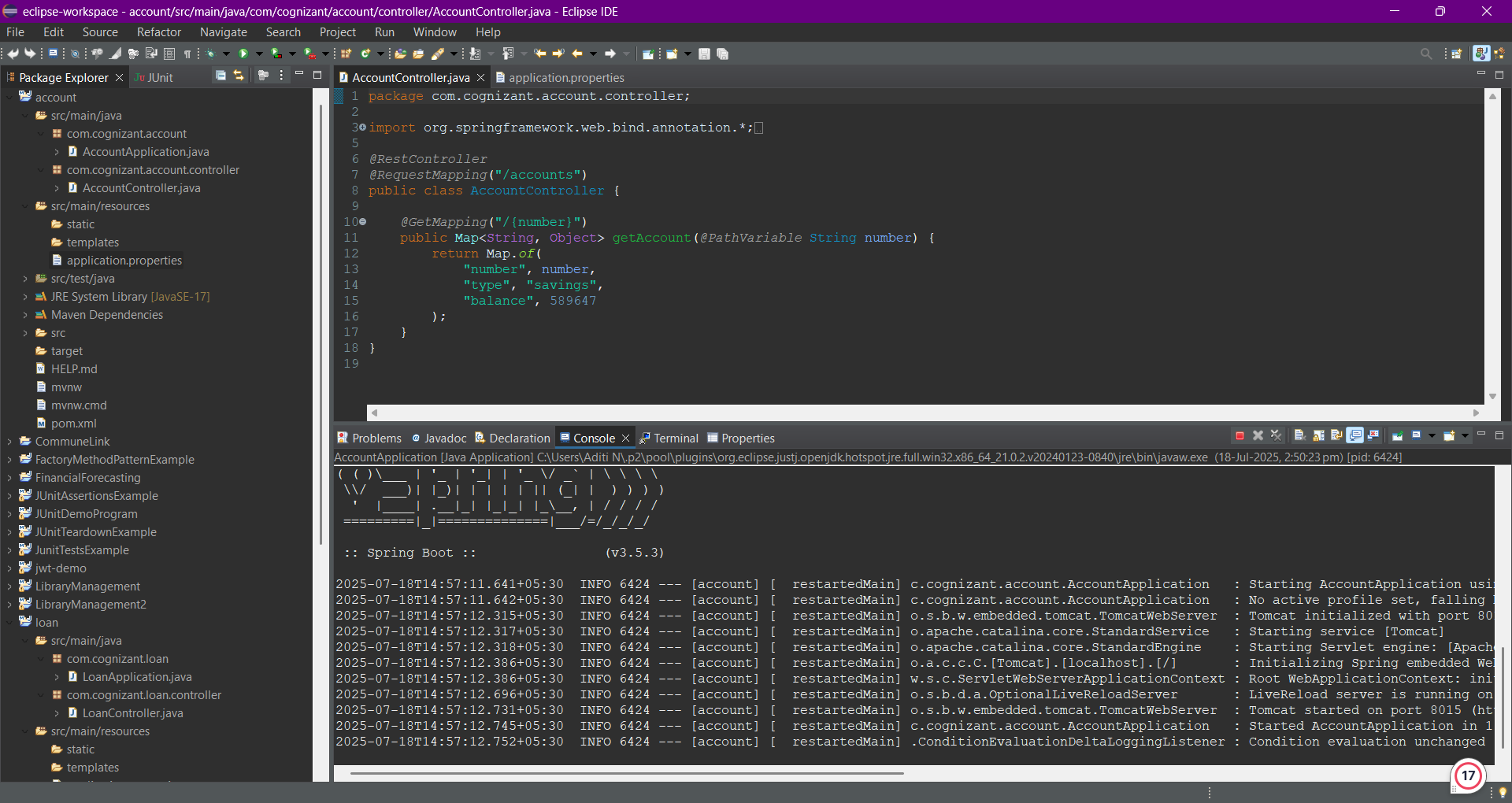
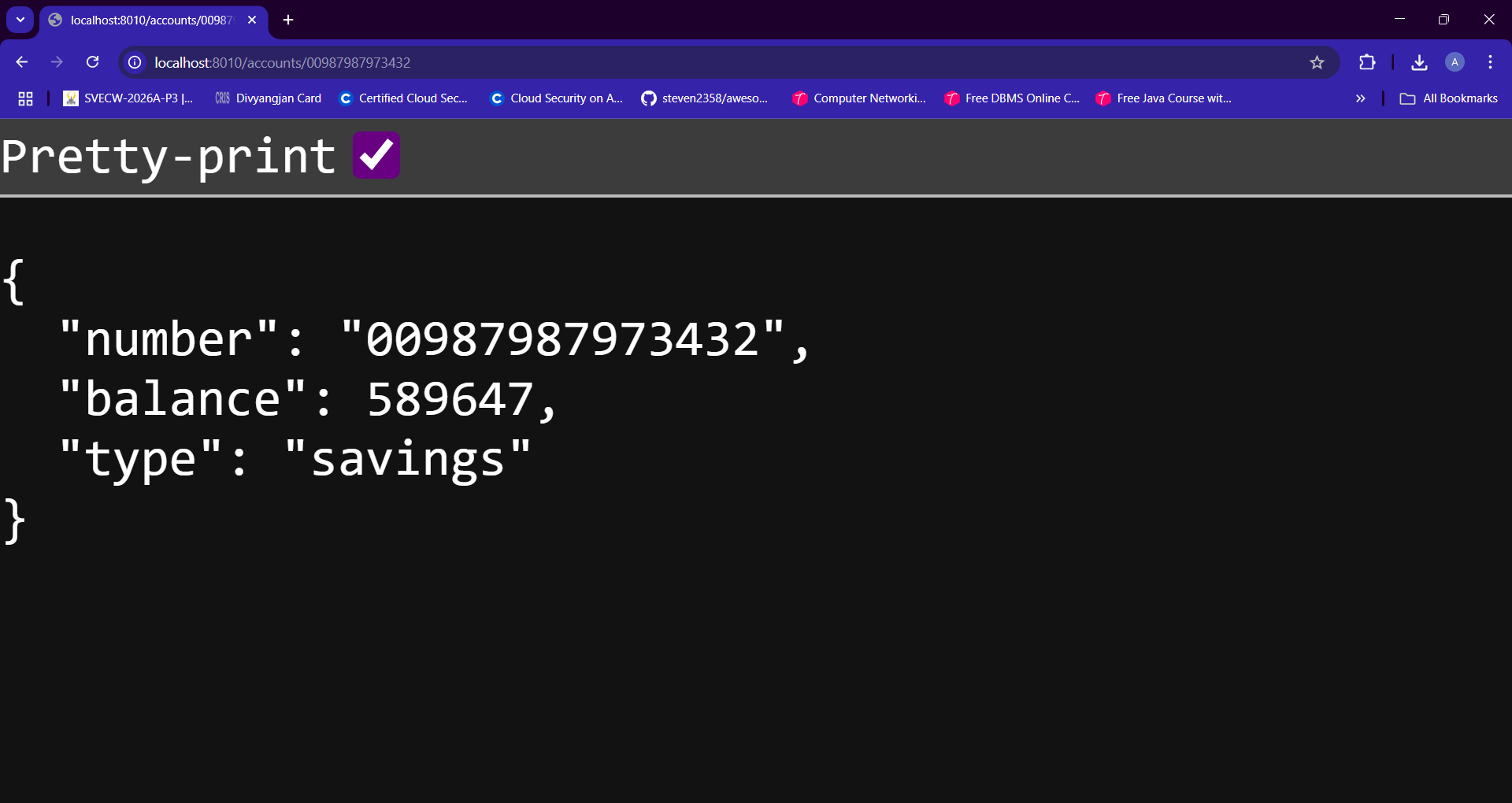
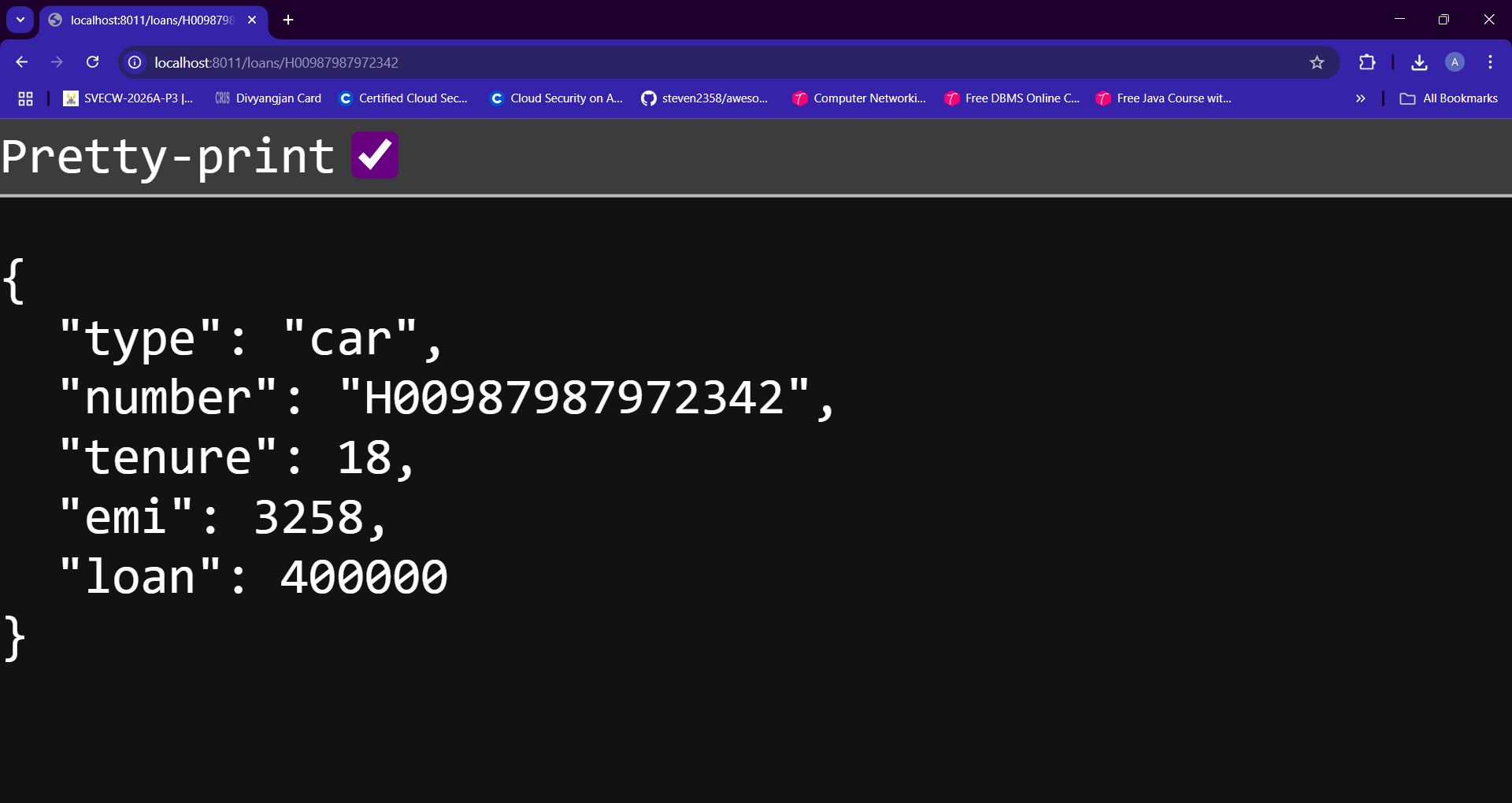
**}**

**loan/application.properties**

**spring.application.name=loan**

**server.port = 8011**

**Output:**

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