**Nginx Logging**

**Practicing Spring Boot Log Monitoring**

**1. Create a Dummy Spring Boot Log File**

mkdir -p logs

nano logs/spring.log

**2. Log Commands**

**View latest log lines**

**tail logs/spring.log**

**Follow log in real time**

**tail -f logs/spring.log**

**View specific number of lines from bottom**

**tail -n 10 logs/spring.log**

**Search for specific keyword**

**grep ERROR logs/spring.log**

**Highlight and search with context**

**grep -A 2 -B 2 "ERROR" logs/spring.log**

**-A 2: After 2 lines**

**-B 2: Before 2 lines**

**Search case-insensitively**

**grep -i "payment" logs/spring.log**

**Check for Specific Errors in Real Deployments**

**grep "Exception" logs/spring.log**

**grep "at " logs/spring.log**

**To list only unique errors:**

**grep "ERROR" logs/spring.log | cut -d']' -f2 | sort | uniq**

### **Useful Combination**

Get the last 100 lines, filter only error logs:

tail -n 100 logs/spring.log | grep ERROR

Basic JAR File Handling

### Step 1: Create a Practice Directory

mkdir ~/jar-practice

cd ~/jar-practice

Step 2: Create Dummy Files and Directory Structure

touch NSPay.jar NSPay\_stable.jar

mkdir -p BOOT-INF/classes

echo "dummy=config" > BOOT-INF/classes/application.properties

Step 3: Update JAR File With Configuration File

jar uf NSPay.jar BOOT-INF/classes/application.properties

Step 4: Rename or Move JAR Files

mv NSPay.jar NSPay\_stable.jar

mv NSPay\_stable.jar NSPay.jar

Managing the Java Service

Restart the Service

sudo systemctl restart nsb-app.service

Check the Service Status

sudo systemctl status nsb-app.service

Viewing and Following Logs

Navigate to Your Log Directory

cd /opt/nsb/logs # Replace path

Live Log Monitoring

tail -f spring.log

PRACTICE Tail Commands

**mkdir ~/log-practice**

**cd ~/log-practice**

**echo "Log line 1" > mylog.txt**

**echo "Log line 2" >> mylog.txt**

**echo "Log line 3" >> mylog.txt**

**Show Last 2 Lines**

**tail -n 2 mylog.txt**

**Show Live Logs**

**tail -f mylog.txt**