

# 2-Month Spring Boot Learning Plan

## ***Week 1 — Basics***

- Intro to Spring & Spring Boot
- Project setup, Maven/Gradle
- REST basics, simple Hello API

## ***Week 2 — REST APIs***

- Controllers, JSON
- GET/POST/PUT/DELETE
- Student CRUD API (in-memory)

## ***Week 3 — JPA + MySQL***

- Hibernate, Entities, Repos
- MySQL connection
- Student CRUD with DB

## ***Week 4 — Architecture + Errors***

- Controller → Service → Repo
- Validation & Exception Handling

## ***Week 5 — Spring Security***

- Authentication & Authorization
- Basic login protection

## ***Week 6 — JWT Auth***

- Login API returns JWT
- Secure endpoints with token

## ***Week 7 — Docker + Testing***

- Dockerize Spring Boot app
- Docker Compose with MySQL
- JUnit basics

## ***Week 8 — Final Project***

- CRUD + Security + DB + Docker
- Push to GitHub