**Intro to Spring boot**  
  
Why SpringBoot?  
  
It supports rapid dev.

Removes boilerplate of app setup

It has many uses apart from web apps. It can be used for async messeging sys, batch processing etc…

It also fits well for cloud native app and traditional app developments

Examining Spring boot Skeleton :

<**plugin**>  
 <**groupId**>org.springframework.boot</**groupId**>  
 <**artifactId**>spring-boot-maven-plugin</**artifactId**>  
</**plugin**>

This plugin is used to create .jar file when we run **mvn clean package** install command.

If a file has **@SpringBootApplication** : Then that file is called configuration file AND starting point for component scanning And used for auto configuration.

This file also has main method which is the starting point for JVM.

**@SpringBootTest** : This is a test file we can write Junit and Mokito Test Cases.

**application.properties**: we can config our app or we can declare environment variable and many other uses etc..

**DATA ACCESS IN SPRING**

Embedded Database with Spring

<**dependency**>  
 <**groupId**>org.springframework.boot</**groupId**>  
 <**artifactId**>spring-boot-starter-data-jpa</**artifactId**>  
</**dependency**>

This is embedded DB of Spring. And this comes for free.

<**dependency**>  
 <**groupId**>com.h2database</**groupId**>  
 <**artifactId**>h2</**artifactId**>  
</**dependency**>

Application properties:

**Why Spring DATA?**

1. **Removes boiler plate code.**
2. **Allows you to focus on the business Logic.**

**Key Components of Spring Data :**

1. **Repository interface : @Repository and this provides an interface to access DB**
2. **Entity Object : Th**