**1) What does the @SpringBootApplication annotation do internally?**

As per the Spring Boot doc, the [@SpringBootApplication](https://docs.spring.io/spring-boot/docs/current/reference/html/using-boot-using-springbootapplication-annotation.html) annotation is equivalent to using [@Configuration](https://docs.spring.io/spring/docs/current/javadoc-api/org/springframework/context/annotation/Configuration.html), [@EnableAutoConfiguration](https://docs.spring.io/spring-boot/docs/current/reference/html/using-boot-auto-configuration.html), and @ComponentScan with their default attributes. Spring Boot enables the developer to use a single annotation instead of using multiple. But, as we know, Spring provided loosely coupled features that we can use for each individual annotation as per our project needs.

**2) How to exclude any package without using the basePackages filter?**

@SpringBootApplication(exclude= {Employee.class})

public class FooAppConfiguration {}

**3) What is Spring Actuator? What are its advantages?**

It provides many features, i.e. what beans are created, the mapping in the controller, the CPU usage, etc. Automatically gathering and auditing health and metrics can then be applied to your application.

It provides a very easy way to access the few production-ready [REST endpoints](https://docs.spring.io/spring-boot/docs/current/reference/html/production-ready-endpoints.html) and fetch all kinds of information from the web.

**4) How to enable/disable the Actuator?**

Enabling/disabling the actuator is easy; the simplest way is to enable features to add the dependency (Maven/Gradle) to the *spring-boot-starter-actuator,* i.e. Starter. If you don't want the actuator to be enabled, then don't add the dependency.

**6) What is the Spring Initializer?**

The Spring Initializer is a web application that generates a Spring Boot project with everything you need to start it quickly.

**7) What is a shutdown in the actuator?**

[Shutdown](https://docs.spring.io/spring-boot/docs/current/reference/html/production-ready-endpoints.html) is an endpoint that allows the application to be gracefully shutdown. This feature is not enabled by default. You can enable this by using *management.endpoint.shutdown.enabled=true* in your application.properties file

**8) Can we disable the default web server in the Spring Boot application?**

. Yes, we can use the application.properties to configure the web application type, i.e.  spring.main.web-application-type=none.

**9) what is difference b/w spring ,spring mvc and spring boot?**

* spring is mainly used to make your program loosely coupled.
* spring mvc is use to provide a quick way to make web application using dispatcher servlet,model and view.
* spring boot is used to provide both functionality and provide less configuration.

**10) spring boot maven plugin:**

* spring -boot:run = run you app.
* spring- boot:repackage= repackage your jar and war file
* spring- boot: start and spring boot: stop = start and stop app.
* spring -boot: build-info :generate build info used by actuator

**11) Spring Boot auto configuration**

Spring Boot auto configuration represents a way to automatically configure a Spring application based on the dependencies that are present on the class path.