Cheatsheets / **Learn Spring**

Boots and Beans

Spring bean

A *Spring bean* refers to an object that's managed by the Spring Inversion of Control (IoC) container.

@SpringBootApplication

Applying `@SpringBootApplication` to a Spring app's main application class

1. Enables Spring to identify the class as the configuration class that provides beans for the Spring application context

2. Enables Spring to scan for and configure annotated classes as beans

3. Enables Spring to configure beans based on code as well as jar dependencies

`@SpringBootApplication` is a compilation of the `@Configuration` , `@EnableAutoConfiguration` , and `@ComponentScan` annotations.

```java
import
org.springframework.boot.SpringApplicatio
n;
import
org.springframework.boot.autoconfigure.Sp
ringBootApplication;

@SpringBootApplication
public class ExampleApplication {

  public static void main(String[] args)
{

SpringApplication.run(ExampleApplication.
class, args);
  }

}
```

application context

The *application context* serves as a container into which Spring can inject beans.

Spring Boot

Spring Boot extends the Spring framework by enabling
the autoconfiguration of Spring beans, further
simplifying development.

application.properties

The **application.properties** file specifies the
configuration properties of a Spring Boot application.

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