1. **What is spring boot?**

[Spring Boot](http://projects.spring.io/spring-boot) is a brand new framework from the team at [Pivotal](http://gopivotal.com/), designed to simplify the bootstrapping and development of a new Spring application. The framework takes an opinionated approach to configuration, freeing developers from the need to define boilerplate configuration. In that, Boot aims to be a front-runner in the ever-expanding rapid application development space.

1. **What is component scanning?**

This part of “telling Spring where to search” is called a Component Scan.

Once you define a Component Scan for a package, Spring would search the package and all its sub packages for components/beans.

* Define @ComponentScan(“com.in28minutes.springboot”)
  + This would scan the entire parent tree of com.in28minutes.springboot.
* Or Define two specific Component Scans by using an array.
  + @ComponentScan({“com.in28minutes.springboot.basics.springbootin10steps”,”com.in28minutes.springboot.somethingelse”})

1. **What is AOP?(please refer javatpoint this is less)**
2. **Aspect Oriented Programming** (AOP) compliments OOPs in the sense that it also provides modularity. But the key unit of modularity is aspect than class.
3. AOP breaks the program logic into distinct parts (called concerns). It is used to increase modularity by **cross-cutting concerns**.
4. A **cross-cutting concern** is a concern that can affect the whole application and should be centralized in one location in code as possible, such as transaction management, authentication, logging, security etc.
5. Why use AOP?
6. It provides the pluggable way to dynamically add the additional concern before, after or around the actual logic.

**4. equals() and hashcodes()**

<https://www.geeksforgeeks.org/equals-hashcode-methods-java/>

5. how to sort array list in descending order?

An ArrayList can be Sorted by using the sort() method of the Collections Class in Java. This sort() method takes the collection to be sorted .

Collections.reverseOrder() as the parameter and returns a Collection sorted in the Descending Order. Collections.reverseOrder() acts as the comparator in this method.

Collections.sort(ArrayList, Collections.reverseOrder());

6. how hashmap works?

<https://javarevisited.blogspot.com/2011/02/how-hashmap-works-in-java.html>

7. bean property