Java Interview Questions:

1. why multiple inheritence possible with interfaces in java?

Java doesn't support multiple inheritance, so the diamond problem doesn't arise. If B & C are interfaces, then there is no implementation in the interfaces. Even if B & C override the method in interface A (cannot be a class), the methods will have same signature. There is no ambiguity regarding which implementation to use, because there is no implementation.

Interfaces having dummy declarations and they won't have implementations hence no ambiguity problem.

1. Hashcode & equals methods
2. Spring AOP
3. what is pointcut
4. Map vs FlatMap
5. Default methods in Interface
6. Functional Interface
7. Streams in Java8

@RequestParam vs @QueryParam

@QueryParam is a [JAX-RS](http://www.mkyong.com/webservices/jax-rs/jax-rs-queryparam-example/) framework annotation and @RequestParam is from [Spring](http://docs.spring.io/spring/docs/current/javadoc-api/org/springframework/web/bind/annotation/RequestParam.html).

part from these mentioned differences in framework, one major difference is @RequestParam will always expect a value to bind. Hence, if value is not passed, it will give error. This is not the case in @QueryParam

To explicitly give the option, use required = false while using @RequestParam

/users/query?url=mkyong.com

@Component vs @Bean