

# Using @Qualifier with Constructors

**@Qualifier** is a nice feature, but it is tricky when used with Constructors.

The syntax is much different from other examples and not exactly intuitive. Consider this the "deep end of the pool" when it comes to Spring configuration LOL :-)

You have to place the **@Qualifier** annotation inside of the constructor arguments.

Here's an example from our classroom example. I updated it to make use of constructor injection, with **@Autowired** and **@Qualifier**. Make note of the code in bold below:

```
---
package com.luv2code.springdemo;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.beans.factory.annotation.Qualifier;
import org.springframework.stereotype.Component;

@Component
public class TennisCoach implements Coach {

    private FortuneService fortuneService;

    // define a default constructor
    public TennisCoach() {
        System.out.println(">> TennisCoach: inside default constructor");
    }

    @Autowired
    public TennisCoach(@Qualifier("randomFortuneService")
        FortuneService theFortuneService) {
```

**System.out.println(">> TennisCoach: inside constructor using @autowired and @qualifier");**

```
    fortuneService = theFortuneService;
}

/*
 * @Autowired
 * public void doSomeCrazyStuff(FortuneService theFortuneService) {
 *     System.out.println(">> TennisCoach: inside doSomeCrazyStuff()
 * method");
 *     fortuneService = theFortuneService;
 * }
 */

/*
 * @Autowired
 * public TennisCoach(FortuneService theFortuneService) {
 *     fortuneService = theFortuneService;
 * }
 */

@Override
public String getDailyWorkout() {
    return "Practice your backhand volley";
}

@Override
public String getDailyFortune() {
    return fortuneService.getFortune();
}

}

---
```

For detailed documentation on using @Qualified with Constructors, see [this link](#) in the Spring Reference Manual

<https://docs.spring.io/spring/docs/current/spring-framework-reference/core.html#beans-autowired-annotation-qualifiers>