Spring AspectJ AOP implementation provides many annotations:

1. **@Aspect** declares the class as aspect.
2. **@Pointcut** declares the pointcut expression.

The annotations used to create advices are given below:

1. **@Before** declares the before advice. It is applied before calling the actual method.
2. **@After** declares the after advice. It is applied after calling the actual method and before returning result.
3. **@AfterReturning** declares the after returning advice. It is applied after calling the actual method and before returning result. But you can get the result value in the advice.
4. **@Around** declares the around advice. It is applied before and after calling the actual method.
5. **@AfterThrowing** declares the throws advice. It is applied if actual method throws exception.

Pointcut is an expression language of Spring AOP.

The **@Pointcut** annotation is used to define the pointcut. We can refer the pointcut expression by name also. Let's see the simple example of pointcut expression.

1. @Pointcut("execution(\* Operation.\*(..))")
2. **private** **void** doSomething() {}

The name of the pointcut expression is doSomething(). It will be applied on all the methods of Operation class regardless of return type.

**Understanding Pointcut Expressions**

Let's try the understand the pointcut expressions by the examples given below:

1. @Pointcut("execution(public \* \*(..))")

It will be applied on all the public methods.

1. @Pointcut("execution(public Operation.\*(..))")

It will be applied on all the public methods of Operation class.

1. @Pointcut("execution(\* Operation.\*(..))")

It will be applied on all the methods of Operation class.

1. @Pointcut("execution(public Employee.set\*(..))")

It will be applied on all the public setter methods of Employee class.

1. @Pointcut("execution(int Operation.\*(..))")

It will be applied on all the methods of Operation class that returns int value.