

Aspect-Oriented Programming (AOP)

Reading Method Arguments with JoinPoints



Problem

- When we are in an aspect (ie for logging)
 - How can we access method parameters?

Development Process

Step-By-Step

- 1. Access and display Method Signature**

- 2. Access and display Method Arguments**

Step 1 - Access and display Method Signature

```
@Before("...")  
public void beforeAddAccountAdvice(JoinPoint theJoinPoint) {  
  
}
```

Step 1 - Access and display Method Signature

```
@Before("...")  
public void beforeAddAccountAdvice(JoinPoint theJoinPoint) {  
  
    // display the method signature  
    MethodSignature methodSig = (MethodSignature) theJoinPoint.getSignature();  
  
    System.out.println("Method: " + methodSig);  
  
}
```

Method: void com.luv2code.aopdemo.dao.AccountDAO.addAccount(Account,boolean)

Step 2 - Access and display Method Arguments

```
@Before("...")  
public void beforeAddAccountAdvice(JoinPoint theJoinPoint) {  
  
    // display method arguments  
  
    // get args  
    Object[] args = theJoinPoint.getArgs();  
  
    // loop thru args  
    for (Object tempArg : args) {  
        System.out.println(tempArg);  
    }  
}
```

```
com.luv2code.aopdemo.Account@1ce24091  
true
```