

# Lamda and Double Colon Operator

- description : Lamda and Double Colon Operator
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## Lamda and Double Colon Operator

```

interface Calculator {
//          ,          Calculator
    int sum(int a, int b);
}

class MyCalculator implements Calculator
//          MyCalculator          Calculator
    public int sum(int a, int b) {
        return a + b;
    }
}

public class Sample {
    public static void main(String[] args) {
        MyCalculator mc = new MyCalculator();
        int result = mc.sum(3, 4);
        System.out.println(result);    // 7(=3+4)
    }
}

```

### (Lamda)

```

interface Calculator {
//          ,          Calculator
    int sum(int a, int b);
}

public class Sample {
    public static void main(String[] args) {
        Calculator mc = (int a, int b) -> a + b;
        int result = mc.sum(3, 4);
        System.out.println(result);    // 7(=3+4)
    }
}

```

```
}
```

```
Calculator mc = (int a, int b) -> a + b;
```

1. (int a, int b)	Calculator	sum	(parameter)
2. a + b	MyCalculator	가	Calculator

### (Lamda)

```
1. Calculator mc = (int a, int b) -> a + b;  
2. Calculator mc = (a, b) -> a + b  
   // int 가  
3. Calculator mc = Integer::sum;  
   // (a, b) -> a + b Integer.sum(int a, int b)
```

### Double Colon (::) Operator ( = Method Reference Operator )

```
class-name::method-name; // target reference::method reference
```

### Example

```
Computer::getAge;  
// method reference to the method getAge defined in the Computer class  
// Computer getAge
```

### Ref

[The Double Colon Operator in Java 8](#)  
[Double color\(::\) operator in Java](#)  
07-06

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