Lamda and Double Colon Operator

- description : Lamda and Double Colon Operator
- author :
- email : shlim@repia.com
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Lamda and Double Colon Operator

```java
interface Calculator {
//                         ,            sum            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)

```java
interface Calculator {
//                         ,            sum            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                             Calculator
     .
```

(Lamda)

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

2. Calculator mc = (a, b) -> a + b
   //                                                              int

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

Double Color (::) 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](http://rwiki.repia.com/)
[Double color(::) operator in Java](http://rwiki.repia.com/)
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, , Double-Colon-Operator

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