

IncomeTaxCategoryRefactored.java

```

1 package calculation;
2
3 public class IncomeTaxCategoryRefactored {
4
5     private double[] limit;
6     private double[] added;
7     private double[] percent;
8
9     public IncomeTaxCategoryRefactored(double limit[], double added[], double
percent[]){
10         this.limit = limit;
11         this.added = added;
12         this.percent = percent;
13     }
14
15     public double calculateIncomeTax(double income) {
16         for (int i = 0; i < getSelectionQuantity(); i++) {
17             if (income >= getLimit(i)) {
18                 return getAdded(i) + getPercent(i) * (income - getLimit(i));
19             }
20         }
21         return 1;
22     }
23
24     protected double getLimit(int i) {
25         return limit[i];
26     }
27
28     protected double getAdded(int i) {
29         return added[i];
30     }
31
32     protected double getPercent(int i) {
33         return percent[i];
34     }
35
36     protected int getSelectionQuantity() {
37         return limit.length;
38     }
39 }
40

```