

```
1 import components.simplereader.SimpleReader;
2
3
4
5
6 /**
7  * Put a short phrase describing the program here.
8  *
9  * @author Put your name here
10 *
11 */
12 public final class CoinChange1 {
13
14     /**
15      * Private constructor so this utility class cannot be instantiated.
16      */
17     private CoinChange1() {
18     }
19
20     /**
21      * Main method.
22      *
23      * @param args
24      *         the command line arguments
25      */
26     public static void main(String[] args) {
27         SimpleReader in = new SimpleReader1L();
28         SimpleWriter out = new SimpleWriter1L();
29         /*
30          * Put your main program code here
31          */
32         double cents;
33
34         out.print("Please enter the number of cents: ");
35         cents = in.nextDouble();
36
37         double dollar = (cents - (cents % 100)) / 100;
38         cents = cents % 100;
39
40         double halfDollar = (cents - (cents % 50)) / 50;
41         cents = cents % 50;
42
43         double quarter = (cents - (cents % 25)) / 25;
44         cents = cents % 25;
45
46         double dime = (cents - (cents % 10)) / 10;
47         cents = cents % 10;
48
49         double nickle = (cents - (cents % 5)) / 5;
50         cents = cents % 5;
51
52         double penny = (cents - (cents % 1)) / 1;
53         cents = cents % 1;
54
55         out.println("Change in:");
56         out.println("Dollars: " + dollar);
57         out.println("Half Dollars: " + halfDollar);
58         out.println("Quarters: " + quarter);
59         out.println("Dimes: " + dime);
60         out.println("Nickles: " + nickle);
```

```
61         out.println("Pennies: " + penny);
62
63         /*
64          * Close input and output streams
65          */
66         in.close();
67         out.close();
68     }
69
70 }
71
```