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1 // Programa para calcular as vendas, baseado no produto inserido e
2 // na quantidade vendida.
3 import java.util.Scanner;
4
5 public class Sales
6 {
7     // calculates sales for 5 products
8     public static void main(String[] args)
9     {
10         Scanner input = new Scanner(System.in);
11
12         double total = 0; // total of all products sold
13         int productID; // specifies product entered by the user
14
15         // determine the product chosen
16         System.out.print("Enter product number (1-5 or 0 to stop):");
17         productID = input.nextInt();
18
19         // ask user for product number until flag value entered
20         while (productID != 0)
21         {
22             if (productID >= 1 && productID <= 5)
23             {
24                 // determine the number sold of the item
25                 System.out.print("Enter quantity sold:");
26                 int quantity = input.nextInt();

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30         // increment the total for the item by the
31         // price times the quantity sold
32         switch (productID)
33         {
34             case 1:
35                 total += quantity * 2.98;
36                 break;
37             case 2:
38                 total += quantity * 4.50;
39                 break;
40             case 3:
41                 total += quantity * 9.98;
42                 break;
43             case 4:
44                 total += quantity * 4.49;
45                 break;
46             case 5:
47                 total += quantity * 6.87;
48                 break;
49             } // end switch
50         } // end if
51         else if (productID != 0)
52             System.out.println(
53                 "Product number must be between 1 and 5 or 0 to stop.");
54
55         // determine the product chosen
56         System.out.print("Enter product number (1-5 or 0 to stop):");
57         productID = input.nextInt();
58     } // end while loop
59     // print summary
60     System.out.println();
61     System.out.printf("Total retail value of all products sold is: %.2f\n", total);
62 } // end main
63 } // end class Sales

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