

```
1 // 2.13 Sales.java
2 // By Taper Wickel
3
4 import java.io.*;
5
6 public class Sales {
7     public static void main( String args[] ) throws IOException {
8
9         int a, b, c, d, item;
10        double sales;
11
12        a = 0;
13        b = 0;
14        c = 0;
15        d = 0;
16        sales = 0.0;
17        item = 'A';
18
19        while ( (item != 'X') ) {
20            System.out.println( "Enter the product sold ( A-D ). X to quit");
21            item = System.in.read();
22
23            switch ( item ) {
24                case 'A': case 'a':
25                    ++a;
26                    break;
27
28                case 'B': case 'b':
29                    ++b;
30                    break;
31
32                case 'C': case 'c':
33                    ++c;
34                    break;
35
36                case 'D': case 'd':
37                    ++d;
38                    break;
39
40                case 'X':
41                    break;
42
43                default:
44                    System.out.println( "Please input A-D or X to quit.");
45            }
46
47            System.in.skip( 1 );
48
49        }
50
51        sales = 200 + .09 * ( 239.99 * a + 129.75 * b +
52                            99.95 * c + 350.89 * d);
53        System.out.println( "Total sales is $" + sales );
54    }
55 }
56
```

```
1  Enter the product sold ( A-D ). X to quit
2  a
3  Enter the product sold ( A-D ). X to quit
4  b
5  Enter the product sold ( A-D ). X to quit
6  c
7  Enter the product sold ( A-D ). X to quit
8  X
9  Total sales is $242.2721
10
11
12 Enter the product sold ( A-D ). X to quit
13 D
14 Enter the product sold ( A-D ). X to quit
15 a
16 Enter the product sold ( A-D ). X to quit
17 E
18 Please input A-D or X to quit.
19 Enter the product sold ( A-D ). X to quit
20 A
21 Enter the product sold ( A-D ). X to quit
22 a
23 Enter the product sold ( A-D ). X to quit
24 B
25 Enter the product sold ( A-D ). X to quit
26 b
27 Enter the product sold ( A-D ). X to quit
28 b
29 Enter the product sold ( A-D ). X to quit
30 X
31 Total sales is $331.4099
32
33 Enter the product sold ( A-D ). X to quit
34 X
35 Total sales is $200.0
36
```