

```
1 package Arrays.NewArray;
2 import java.util.*;
3 public class ArrayP
4 {
5     public static void main()
6     {
7         Scanner sc = new Scanner(System.in);
8         System.out.print("Enter your code: ");
9         int c = sc.nextInt();
10        int code[]={101,102,103,104,105,106,107,108,109,110};
11        double cost[]={25.50,45.0,300.50,75.25,90.00,99.99,65.50,70.00,99
12        .99,100.0};
13
14        int l=0,u=code.length-1,mid;
15
16        while(l<=u)
17        {
18            mid = (l+u)/2;
19            if(c==code[mid])
20            {
21                System.out.println("Product code: "+c+" "+"Product co
22                st: "+cost[mid]);
23                break;
24            }
25            if(code[mid]>c)
26            {
27                u=mid-1;
28            }
29            if(code[mid]<c)
30            {
31                l=mid+1;
32            }
33        }
34        if(l>u)
35        {
36            System.out.println("Code number is not in the list");
37        }
38    }
39 }
```