

```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Threading.Tasks;
6
7 namespace SemTest
8 {
9     public class Folder : Thing
10     {
11         private List<Thing> _contents;
12
13         public Folder(string name) : base(name)
14         {
15             _contents = new List<Thing>();
16         }
17
18         public void Add(Thing toAdd)
19         {
20             _contents.Add(toAdd);
21         }
22
23         public override int Size()
24         {
25             int size = 0;
26             foreach (Thing thing in _contents)
27             {
28                 size += thing.Size();
29             }
30             return size;
31         }
32
33         public override void Print()
34         {
35             Console.WriteLine("Folder: {0} ({1} bytes)", Name, Size());
36             foreach (Thing item in _contents)
37             {
38                 item.Print();
39             }
40         }
41     }
42 }
43
```