

TacoManager.java

```

1 /*
2  * Written by JJ Shepherd
3  */
4 public class TacoManager {
5     private Taco[] tacos;
6     public static final int DEF_SIZE = 10;
7     public TacoManager()
8     {
9         init(DEF_SIZE);
10    }
11    public TacoManager(int size)
12    {
13        init(size);
14    }
15    public void init(int size)
16    {
17        if(size >= 1)
18            tacos = new Taco[size];
19        else
20            tacos = new Taco[DEF_SIZE];
21    }
22    public void addTaco(Taco aT)
23    {
24        if(aT == null)
25            return;
26        if(tacos[tacos.length-1] != null)
27            return;
28        for(int i=0;i<tacos.length;i++)
29        {
30            if(tacos[i] == null)
31            {
32                tacos[i] = aT;
33                break;
34            }
35        }
36        this.sortTacos();
37    }
38    public void removeTaco(String aN)
39    {
40        int removeIndex = -1;
41        for(int i=0;i<tacos.length;i++)
42        {
43            if(tacos[i] != null && tacos[i].getName().equals(aN))
44            {
45                removeIndex = i;
46                break;
47            }
48        }
49        if(removeIndex == -1)
50            return;
51        else
52        {
53            for(int i=removeIndex;i<tacos.length-1;i++)
54                tacos[i] = tacos[i+1];
55            tacos[tacos.length-1] = null;
56        }
57    }

```

TacoManager.java

```
58 private void sortTacos()
59 {
60     boolean swapped = true;
61     while(swapped)
62     {
63         swapped = false;
64         for(int i=0;i<tacos.length-1;i++)
65         {
66             if(tacos[i] == null || tacos[i+1] == null)
67                 break;
68             if(tacos[i].getPrice() > tacos[i+1].getPrice())
69             {
70                 Taco temp = tacos[i];
71                 tacos[i] = tacos[i+1];
72                 tacos[i+1] = temp;
73                 swapped = true;
74             }
75         }
76     }
77 }
78 public void printTacos()
79 {
80     for(Taco taco : tacos)
81     {
82         if(taco == null)
83             break;
84         System.out.println(taco);
85     }
86 }
87 }
88
```