```java
 1 import java.io.*;
 2 import java.util.*;
 3
 4 class LaFood
 5 {
 6     public static void main(String [] args) throws IOException
 7     {
 8         int action=1;
 9         int waittime[]= new int[10];
10         int waitcount=0;
11         System.out.println("\n*** Welcome to LaFood Restaurant Simulator ***");
12         System.out.println("Enter data file name: ");
13         Scanner input=new Scanner(System.in);
14         String file=input.next();
15         input.close();
16         Scanner reader=new Scanner(new FileReader(file));
17         Queue X=new Queue();
18
19
20         while(action!=0)
21         {
22             X.enqueue(new List(reader));
23             String a=((List)X.info()).getEvent();
24             if(a.equals("A"))
25             {
26                 int b=((List)X.info()).getTime();
27                 int c=((List)X.info()).getSize();
28                 String d=((List)X.info()).getName();
29                 System.out.println("Please wait at the bar, party"+d+" of "+c+"
   people. (time="+b+")");
30             }
31             else if(a.equals("T"))
32             {
33                 int weehoo=0;
34                 int e=((List)X.info()).getTime();
35                 while(weehoo==0)
36                 {
37                     Object holder=((List)X.dequeue());
38                     int f=((List)holder).getTime();
39                     String h=((List)holder).getName();
40                     if(h==null)
41                     {}
42                     else
43                     {
44                         waittime[waitcount]=e-f;
45                         waitcount++;
46                         System.out.println("Tabel for "+h+"! (time="+e+")");
47                         weehoo++;
48                     }
49                 }
50             }
51             if(a.equals("Q"))
52             {
53                 action=0;
54             }
55         }
56         System.out.println("** Simulation Terminated **\n");
57
58         int hold=0;
59         for(int i=0;i<waitcount;i++)
60         {
```

```
61                hold=hold+waittime[i];
62            }
63        double waitav=hold/waitcount;
64        System.out.println("The average waiting time was: "+waitav);
65        System.out.println("The following parties were never seated:");
66        action=1;
67        while(action!=0)
68        {
69            List g=(List)X.dequeue();
70            if(g.getEvent().equals("A"))
71            {
72                g.print();
73            }
74            else if(g.getEvent().equals("Q"))
75            {
76                action=0;
77            }
78            else{}
79        }
80        System.out.println("\n\n");
81    }
82 }
```