

```
J PlanetaryData.java 2 X
1 import java.util.*;
2 class Planet{
3     String pName;
4     int moons;
5     boolean rings;
6     List<String> gas=new ArrayList<>();
7     Planet(String name,int moons,boolean rings){
8         this.pName=name;
9         this.moons=moons;
10        this.rings=rings;
11    }
12    public void gas(){
13        Scanner sc=new Scanner(System.in);
14        System.out.println(x: "Enter the number of gases");
15        int n=sc.nextInt();
16        for(int i=0;i<n;i++){
17            System.out.println(x: "Enter Gas Name");
18            gas.add(sc.next());
19        }
20    }
21 }
22
23 public class PlanetaryData {
24     static List<Planet> plst=new ArrayList<>();
25     Run|Debug
26     public static void main(String[] args) {
27         Scanner sc=new Scanner(System.in);
28         System.out.println(x: "Enter 1 to finish adding Planets\nEnter 0 to add Planet");
29         int ch=sc.nextInt();
30         do{
31             System.out.println(x: "Enter planet Name");
32             String name=sc.next();
33             System.out.println(x: "Enter the number of moons");
34             int moons=sc.nextInt();
35             System.out.println(x: "Enter True or False for Rings");
36             boolean rings=sc.nextBoolean();
37             Planet p=new Planet(name, moons, rings);
38             p.gas();
39             plst.add(p);
40             System.out.println(x: "Enter 1 to finish adding Planets\nEnter 0 to add Planet");
41             ch=sc.nextInt();
42             while(ch != 1);
43             printNumOfMoons();
44             printGasName();
45         }
46     }
47     public static void printNumOfMoons(){
48         int cnt=0;
49     }
50 }
51
52 PROBLEMS 109 OUTPUT DEBUG CONSOLE TERMINAL
53 PS C:\Users\shara\OneDrive\Desktop\Java Placement> cd "C:\Users\shara\OneDrive\Desktop\Java Placement" ; if ($?) { javac PlanetaryData.java } ; if ($?) { java PlanetaryData }
54 Enter 1 to finish adding Planets
55 Enter 0 to add Planet
56 Enter 0 to add Planet
57 Enter Gas Name
58 oxygen
59 Enter 1 to finish adding Planets
60 Enter 0 to add Planet
61 Enter 0 to add Planet
62 Enter planet Name
63 Mercury
64 Enter the number of moons
65 7
66 Enter True or False for Rings
67 true
68 Enter the number of gases
69 2
70 Enter Gas Name
71 hydrogen
72 Enter Gas Name
73 nitrogen
74 Enter 1 to finish adding Planets
75 Enter 0 to add Planet
76 0
77 Enter planet Name
78 Mars
79 Enter the number of moons
80 87
81 Enter True or False for Rings
82 true
83 Enter the number of gases
84 1
85 Enter Gas Name
86 nitrogen
87 Enter 1 to finish adding Planets
88 Enter 0 to add Planet
89 1
90 Number of moons Planets which is having rings = 94
91 GAS name which is present in most of the planets = nitrogen
92 PS C:\Users\shara\OneDrive\Desktop\Java Placement>
```