You are given Program 1 (ReTest2.java) with 25 errors (syntax errors and/or logical errors). You are required to debug the errors, compile, and run the program. You are **NOT ALLOWED** to **remove** any statements or add a new statement(s) in the program. You are only allowed to **update** the statements provided in the program. The program should produce the output in **Figure 1**.

```
<<<<< List of flights >>>>>
Flight Number: MH1037
Destination: Johor Bahru
Departure: 19:05
Arrival: 20:00
Number of Passengers: 2
Passengers Details:
Name: Abu Jani Age: 5 Parent Name: Tina Mat
Name: Lim Chua Age: 44 Job Title: Accountant
Flight Number: Z98805
Destination: Kota Kinabalu
Departure: 18:15
Arrival: 21:05
Number of Passengers: 4
Passengers Details:
Name: Ana Alif Age: 35 Job Title: Engineer
Name: Rin Liew Age: 48 Job Title: Engineer
Name: Ani Daud Age: 11 Parent Name: Adli Aris
Name: Ali Alwi Age: 23 Job Title: Accountant
```

Figure 1

After you get all the outputs as stated above, please submit your **successful** program named **ReTest2.java** through the UTM's e-learning system.

```
//Program 1
 2
    import java.util.*;
 3
 4
    class Time {
 5
      private int hour, minute;
 6
 7
      public Time(int h, int m) {
 8
         hour = h;
 9
         minute = h;
10
11
      public String dispTime() {
12
13
         if (hour < 10)
14
            return hour + ":0" + minute;
15
         else
            return hour + ":" + minute;
16
17
       }
18
    }
19
20
    class Passenger {
21
      private String name, parentName, job;
22
      int age;
23
24
      public Passenger(String name, int age) {
25
         name = name;
26
         age = age;
27
         parentName = job = null;
28
29
30
       public void setPName(String pn) {
31
         parentName = pn;
32
33
       public void setJob(String j) {
34
35
         j = job;
36
37
38
       public void getAge() {
39
         return age;
40
41
42
       public void dispDetails() {
         System.out.print("Name: " + name + "\tAge: " + age);
43
44
          if (age < 12)
45
            System.out.println("\tJob Title: " + job);
46
         else
47
            System.out.println("\tParent Name: " + parentName);
48
       }
49
    }
50
    class Flight {
51
52
      private String id, destination;
53
      private Time depart, arrival;
54
      private Vector <Passenger> passengerList;
55
56
      public Flight(String i, String d, Time dp, Time a) {
57
         id = i;
58
         destination = d;
59
         depart = dp;
60
         arrival = a;
```

```
61
           passengerList = new Vector();
 62
 63
 64
        public void addPassenger(Passenger p) {
 65
          passengerList.add(p);
 66
 67
 68
        public void dispInfo() {
 69
          System.out.println("Flight Number: " + id);
 70
           System.out.println("Destination: " + destination);
 71
           System.out.println("Departure: " + depart.dispTime());
           System.out.println("Arrival: " + arrival.dispTime());
 72
 73
           System.out.println("Number of Passengers: " + passengerList.size());
 74
           System.out.println("\nPassengers Details:");
 75
 76
           for (int i = 0; i < passengerList.size(); i++)</pre>
 77
              passengerList.dispDetails();
 78
        }
 79
     }
 80
 81
     public class ReTest2 {
 82
        public static void main(String[] args) {
 83
          ArrayList <Flight> flightList = new ArrayList();
 84
           Flight [] f = \{\text{new Flight}("MH1037", "Johor Bahru", Time}(19, 5), Time}(20, 19, 10)
 8.5
                          0)), new Flight("Z98805", "Kota Kinabalu", Time(18, 15),
 86
 87
                          Time (21, 5);
 88
           Passenger [] p = {new Passenger("Abu Jani", 5), new Passenger("Ana
 89
                             Alif", 35), new Passenger("Ali Alwi", 23), new
 90
                             Passenger ("Ani Daud", 11), new Passenger ("Lim Chua",
                             44), new Passenger("Rin Liew", 48)};
 91
 92
           String [] j = {new String("Accountant"), new String("Engineer")};
 93
           String [] pn = {new String("Tina Mat"), new String("Adli Aris")};
 94
 95
           for (int i = 0; i < p.size(); i++)
 96
              if (p.getAge() < 12)
 97
                 p.setPName(pn[i%2]);
 98
              else
 99
                 p.setJob(j[i%2]);
100
101
           flightList.add(f[0]);
102
           flightList.add(f[1]);
103
104
           flightList.get(0).addPassenger(p[0]);
105
           flightList.get(1).addPassenger(p[5]);
           flightList.get(0).addPassenger(p[1]);
106
107
           flightList.get(0).addPassenger(p[3]);
108
           flightList.get(1).addPassenger(p[4]);
109
           flightList.get(1).addPassenger(p[2]);
110
111
           System.out.println("<<<<< List of flights >>>>>\n");
112
           for (int i = 0; i < flightList.length; i++) {</pre>
113
              flightList.dispInfo();
114
              System.out.println();
115
116
        }
117
```