```java
package interfacePractice;

interface BikeParts {
    String MAKE = "Oracle Bikes";
    String getHandleBars();
    void setHandleBars(String newValue);
    String getTyres();
    void setTyres(String newValue);
    String getSeatType();
    void setSeatType(String newValue);
}
interface MountainParts {
    String TERRAIN = "off_road";
    String getSuspension();
    void setSuspension(String newValue);
    String getType();
    void setType(String newValue);
}
interface RoadParts {
    String TERRAIN = "track_racing";
    String getTyreWidth();
    void setTyreWidth(String newValue);
    String getPostHeight();
    void setPostHeight(String newValue);
}
class Bike implements BikeParts {
    private String handleBars;
    private String tyres;
    private String seatType;

    @Override
    public String getHandleBars() {
        return handleBars;
    }
```

```java
36      @Override
37      public void setHandleBars(String newValue) {
38          this.handleBars = newValue;
39      }
40
41      @Override
42      public String getTyres() {
43          return tyres;
44      }
45
46      @Override
47      public void setTyres(String newValue) {
48          this.tyres = newValue;
49      }
50
51      @Override
52      public String getSeatType() {
53          return seatType;
54      }
55
56      @Override
57      public void setSeatType(String newValue) {
58          this.seatType = newValue;
59      }
60 }
61 class MountainBike extends Bike implements MountainParts {
62      private String suspension;
63      private String type;
64
65      @Override
66      public String getSuspension() {
67          return suspension;
68      }
69
70      @Override
71      public void setSuspension(String newValue) {
72          this.suspension = newValue;
73      }
```

```java
 74
 75⊖        @Override
 76        public String getType() {
 77            return type;
 78        }
 79
 80⊖        @Override
 81        public void setType(String newValue) {
 82            this.type = newValue;
 83        }
 84    }
 85    class RoadBike extends Bike implements RoadParts {
 86        private String tyreWidth;
 87        private String postHeight;
 88
 89⊖        @Override
 90        public String getTyreWidth() {
 91            return tyreWidth;
 92        }
 93
 94⊖        @Override
 95        public void setTyreWidth(String newValue) {
 96            this.tyreWidth = newValue;
 97        }
 98
 99⊖        @Override
100        public String getPostHeight() {
101            return postHeight;
102        }
103
104⊖        @Override
105        public void setPostHeight(String newValue) {
106            this.postHeight = newValue;
107        }
108    }
109    public class BikeDriver {
110⊖        public static void main(String[] args) {
111            Bike bike = new Bike();
```

```java
112        MountainBike mountainBike = new MountainBike();
113        RoadBike roadBike = new RoadBike();
114
115        bike.setHandleBars("Drop Bars");
116        bike.setTyres("Mountain Tyres");
117        bike.setSeatType("Comfortable Seat");
118
119        mountainBike.setHandleBars("Flat Bars");
120        mountainBike.setTyres("Knobby Tyres");
121        mountainBike.setSeatType("Racing Seat");
122        mountainBike.setSuspension("Full Suspension");
123        mountainBike.setType("Trail Bike");
124
125        roadBike.setHandleBars("Drop Bars");
126        roadBike.setTyres("Thin Tyres");
127        roadBike.setSeatType("Comfortable Seat");
128        roadBike.setTyreWidth("23mm");
129        roadBike.setPostHeight("22");
130        System.out.println("Initial RoadBike Post Height: " + roadBike.getPostHeight());
131        roadBike.setPostHeight("20");
132        System.out.println("Updated RoadBike Post Height: " + roadBike.getPostHeight());
133    }
134 }
135
```

Problems @ Javadoc Declaration Console × Coverage Error Log

<terminated> BikeDriver [Java Application] C:\Users\harin\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v20240426-1149\jre\bin\javaw.

Initial RoadBike Post Height: 22
Updated RoadBike Post Height: 20