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this demonstrates the use of getter and setter methods to
print information stored in records. It uses a library of
code called the swing library, that provides commands like
showInputDialog to print information about the Railway stations.
*/
import javax.swing.*;
class Short8
{

    public static void main(String[] param)
    {
        railwayPrint();
        System.exit(0);
    } //END main

    // A method setting the Station record then printing it out through the use of an IF statement
    public static void railwayPrint()
    {
        Station x1 = new Station();

        x1 = setBristol(x1, "Bristol is operated by Great Western and has no step free access");
        x1 = setReading(x1, "Reading is operated by Great Western and has step free access");
        x1 = setYork(x1, "York is operated by Great Eastern and has step free access");

        String station = JOptionPane.showInputDialog("What station do you need to know about");
        if (station.equals("Bristol"))
        {
            System.out.println(getBristol(x1));
        }
        else if (station.equals("Reading"))
        {
            System.out.println(getReading(x1));
        } cc
        else if (station.equals("York"))
        {
            System.out.println(getYork(x1));
        }
        else
        {
            System.out.println("I do not know that Station");
        }
    } //END railwayPrint

```

```
// Getter methods for Station record type
// Return the info of Bristol from the Station record
public static String getBristol (Station x)
{
    return x.bristol;
}

// Return the info of Reading from the Station record
public static String getReading (Station x)
{
    return x.reading;
}

// Return the info of York from the Station record
public static String getYork (Station x)
{
    return x.york;
}

// Setter methods for Station record type
// Set the information of the Bristol station returning the updated record
public static Station setBristol (Station x, String bristol)
{
    x.bristol = bristol;
    return x;
}

// Set the information of the Reading station returning the updated record
public static Station setReading (Station x, String reading)
{
    x.reading = reading;
    return x;
}

// Set the information of the York station returning the updated record
public static Station setYork (Station x, String york)
{
    x.york = york;
    return x;
}
```

```
} // END class Short8
```

```
class Station  
{  
String bristol; // information on the Bristol train station  
String reading; // information on the Reading train station  
String york;   // information on the York train station  
} // END class Station
```