```java
/*
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Programming I
*/

import javax.swing.*;

public class Seasons {

    public static void main(String[] args) {
        int inputTemp;
        String response = JOptionPane.showInputDialog(null,
                "Enter the Temperature","Probable Season",1);
        inputTemp = Integer.parseInt(response);
        String message = "Based on the temperature of " +
                inputTemp + " it is most likely "+
                determineSeason(inputTemp);
        JOptionPane.showMessageDialog(null, message);
    }
    public static String determineSeason(int inputTemp){
        if(inputTemp > 130){
            return "Invalid";
        }
        else if(inputTemp > 90|| inputTemp == 90){
            return "Summer";
        }
        else if(inputTemp > 70 || inputTemp == 70 && inputTemp < 90){
            return "Spring";
        }
        else if(inputTemp > 50 || inputTemp == 50 && inputTemp < 70){
            return "Fall";
        }
        else if(inputTemp < 50 && inputTemp > -20){
            return "Winter";
        }
        else if(inputTemp > 130 || inputTemp < -20){
            return "Invalid";
        }
        else{
            return "Invalid";
```

```
        }
    }
}
```