1) Write a JavaFX application class namely `SimulateTrafficLightsFX.java` that simulates a traffic light. The program lets the user select one of three lights: red, yellow, or green. When a radio button is selected, the light is turned on. Only one light can be on at a time and no light is on when the program starts. In the figures below, there are some sample screenshots to explain the behaviors of the program when the actions performed.
2) Write a JavaFX application class namely **NumberConverterFX.java** that converts between decimal, hex, and binary numbers. When you enter a decimal value in the corresponding text field and press the Enter key, its corresponding hex and binary numbers are displayed in the other two text fields. Likewise, you can enter values in the other fields and convert them accordingly. In the figures below, there are some sample screenshots to explain the behaviors of the program when the actions performed.

**Note:** It is necessary to write custom methods for conversion between number systems. Using predefined methods such as **Integer.toHexString** and **Integer.toBinaryString** is prohibited.