**RED LIGHT**

package com.mycompany.simpletrafficlightsystem;

public class RedLightThread extends Thread

{

public void run()

{

while(true)

{

try

{

System.out.println("Red light");

Thread.sleep(10000);

}

catch(InterruptedException e)

{

System.out.println(e);

}

}

}

}

**GREEN LIGHT**

package com.mycompany.simpletrafficlightsystem;

public class GrennLightThread extends Thread

{

public void run()

{

while(true)

{

try

{

System.out.println("Green light");

Thread.sleep(2000);

}

catch(InterruptedException e)

{

System.out.println(e);

}

}

}

}

**YELLOW LIGHT**

package com.mycompany.simpletrafficlightsystem;

public class YellowLightThread extends Thread

{

public void run()

{

while(true)

{

try

{

System.out.println("yellow light");

Thread.sleep(2000);

}

catch(InterruptedException e)

{

System.out.println(e);

}

}

}

}

**SIMPLE TRAFFIC**

package com.mycompany.simpletrafficlightsystem;

public class SimpleTrafficLightSystem

{

public static void main(String[] args)

{

RedLightThread t1=new RedLightThread();

YellowLightThread t2=new YellowLightThread();

GrennLightThread t3=new GrennLightThread();

t1.start();

t2.start();

t3.start();

}

}