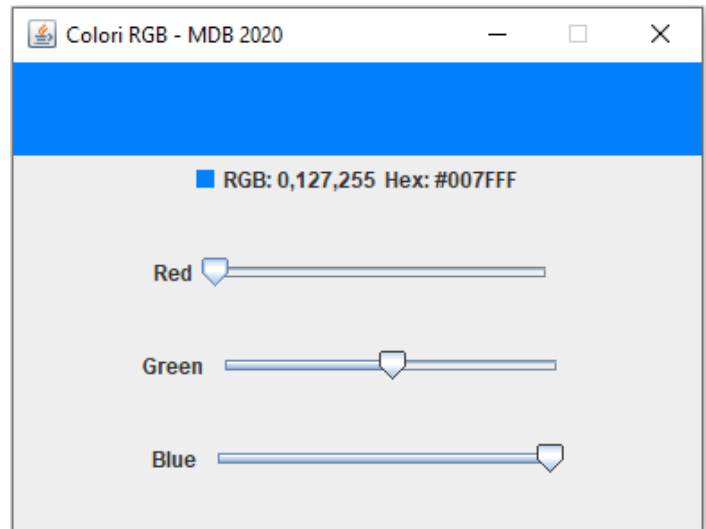


```

import java.awt.*;
import javax.swing.*;
import javax.swing.event.*;
public class ColoriRGB extends JFrame{
    Container c;
    JPanel pbackground;
    JLabel ltitle,lred,lgreen,lblue,lcolorrgb,lcolorhex;
    JSlider sred,sgreen,sblue;
    Integer r=0,g=127,b=255;
    public ColoriRGB() {
        c=this.getContentPane();
        c.setLayout(new GridLayout(5,1));
        ltitle=new JLabel();
        ltitle.setOpaque(true);
        ltitle.setBackground(new Color(r,g,b));
        pbackground=new JPanel();
        pbackground.setBackground(new Color(r,g,b));
        lcolorrgb=new JLabel("RGB: 0,127,255");
        lcolorhex=new JLabel("Hex: #007FFF");
        lred=new JLabel("Red");
        lgreen=new JLabel("Green");
        lblue=new JLabel("Blue");
        sred=new JSlider(0,255,r);
        sgreen=new JSlider(0,255,g);
        sblue=new JSlider(0,255,b);
        sred.addChangeListener(new SliderListener());
        sgreen.addChangeListener(new SliderListener());
        sblue.addChangeListener(new SliderListener());
        JPanel pred=new JPanel();
        JPanel pgreen=new JPanel();
        JPanel pblue=new JPanel();
        pred.add(lred);pred.add(sred);
        pgreen.add(lgreen);pgreen.add(sgreen);
        pblue.add(lblue);pblue.add(sblue);
        c.add(ltitle);
        JPanel pcolor=new JPanel();
        pcolor.add(pbackground);pcolor.add(lcolorrgb);pcolor.add(lcolorhex);
        c.add(pcolor);
        c.add(pred);
        c.add(pgreen);
        c.add(pblue);
        this.setTitle("Colori RGB - MDB 2020");
        this.setResizable(false);
        this.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        this.pack();//
        this.setSize(400, 300);
        this.setVisible(true);
    }
    class SliderListener implements ChangeListener{
        @Override
        public void stateChanged(ChangeEvent e) {
            JSlider sl=(JSlider)e.getSource();
            if(sl==sred)    r=sred.getValue();
            if(sl==sgreen)  g=sgreen.getValue();
            if(sl==sblue)   b=sblue.getValue();
            pbackground.setBackground(new Color(r,g,b));
        }
    }
}

```



Esercizio Java – Colori RGB – Prof. Mauro De Berardis

```
String srgb=String.valueOf(r)+" "+String.valueOf(g)+" "+String.valueOf(b);
String shex="#" +Integer.toHexString(r)+Integer.toHexString(g)+Integer.toHexString(b);
shex.toLowerCase();
ltitle.setBackground(new Color(r,g,b));
lcolorrgb.setText("RGB: "+srgb);
lcolorhex.setText("Hex: "+shex);
    }
}
public static void main(String[] args) {
    new ColoriRGB();
}
}
```