

```

import javax.swing.*;
import java.awt.event.*;
public class Practical12
{
    JProgressBar p;
    JButton b;
    JFrame f ;
    int i = 0;
    Practical12()
    {
        I        ImageIcon icon =new
        ImageIcon("C:\\Users\\vaish\\OneDrive\\Pictures\\Saved
        Pictures\\button.jpg");
        f= new JFrame("ProgressBar");
        b = new JButton(icon);
        b.setBounds(100, 150, 168, 45);
        p = new JProgressBar(0, 2000);
        p.setBounds(80, 100, 210, 35);
        p.setValue(0);
        p.setStringPainted(true);
        f.setSize(400, 400);
        f.setLayout(null);
        f.add(b);
        f.setVisible(true);

        b.addActionListener(new ActionListener()
        {
            public void actionPerformed(ActionEvent e)
            {
                new Thread(new Runnable()
                {
                    public void run()
                    {
                        f.add(p);
                        b.setVisible(false);
                        iterate();
                    }
                }).start();
            }
        });
    }
}

```

```
public void iterate()
{
    while (i <= 2000)
    {
        if(i==2000)
        {
            p.setString("Downloaded");
        }

        p.setValue(i);
        i += 50;
        try
        {
            Thread.sleep(500);
        }
        catch (Exception e)
        {
        }
    }
}

public static void main(String args[])
{
    new Practical12();
}
}
```