

PROJECT SOURCE CODE

```
import javax.swing.*;

import java.awt.*;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileOutputStream;

public class Main {

    public static void operate(int key)

    {

        JFileChooser fc=new JFileChooser();

        fc.showOpenDialog(null);

        File fl=fc.getSelectedFile();

        //file FileInputStream

        try

        {

            FileInputStream fs=new FileInputStream(fl);

            byte []data=new byte[fs.available()];

            fs.read(data);

            int i=0;

            for(byte b:data)

            {

                System.out.println(b);

                data[i]=(byte)(b^key);

                i++;

            }

            FileOutputStream fo=new FileOutputStream(fl);

            fo.write(data);

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            IMAGE ENCRYPTION AND DECRYPTION

            fo.close();

            fs.close();

            JOptionPane.showMessageDialog(null, "Done");

        }catch(Exception e)

        {
```

```

e.printStackTrace();
}
}

public static void main(String args[]) {
    System.out.println("It is Testing");

    JFrame f=new JFrame();

    f.setTitle("It is Image Operation");

    f.setSize(400,400);

    f.setLocationRelativeTo(null);

    f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

    Font font=new Font("Roboto",Font.BOLD,25);

    //creating button

    JButton button=new JButton();

    button.setText("Select Image");

    button.setFont(font);

    //creating text field

    JTextField tf=new JTextField(10);

    tf.setFont(font);

    button.addActionListener(e->{

        System.out.println("button clicked");

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        String text=tf.getText();

        int temp=0;

        if (!text.isEmpty()) {

            temp = Integer.parseInt(text);

        } else {

            temp = 0;

        }

        operate(temp);

    });

    f.setLayout(new FlowLayout());

    f.add(button);

    f.add(tf);

```

```
f.setVisible(true);
```

```
}
```

```
}
```