```java
package com.sxt.Io02;
import java.io.ByteArrayInputStream;
import java.io.ByteArrayOutputStream;
import java.io.File;
import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.FileOutputStream;
import java.io.IOException;
import java.io.InputStream;
import java.io.OutputStream;
public class IOTest09 {
    public static void main(String[] args) {
            byte[] src=fileToByteArray("IO.png");
            byteArrayToFile("IO1.png",src);
}
}

    /**
     * 1).图片读取到数组
     * 2).图片到程序 InputStream
     * 3).程序到数组 ByteArrayOutputStream
     */
    public static byte[] fileToByteArray(String filePath) {
            //创建源
            File src=new File(filePath);
            byte[] dest=null;

            //选择流
            InputStream is=null;
            ByteArrayOutputStream baos=null;

            //操作
```

```java
        try {
                is=new FileInputStream(src);
                baos=new ByteArrayOutputStream();
                byte[] flush=new byte[1024];
                int len=-1;
                while((len=is.read(flush))!=-1) {
                        baos.write(flush,0,len);
                }
                dest=baos.toByteArray();
                baos.flush();
        } catch (FileNotFoundException e) {
                e.printStackTrace();
        } catch (IOException e) {
                e.printStackTrace();
        }finally {
                try {
                        if(null!=is)
                        is.close();
                }
                catch (IOException e) {
                        e.printStackTrace();
                }
        }
        return dest;


}
public static void byteArrayToFile(String filePath,byte[] src) {
        //创建源
        File dest=new File(filePath);
```

```java
//选择流
InputStream is=null;
OutputStream os=null;

try {
        is=new ByteArrayInputStream(src);
        os=new FileOutputStream(dest);
        byte[] flush=new byte[1024];
        int len=-1;
        while((len=is.read(flush))!=-1) {
                os.write(flush,0,len);
        }
} catch (FileNotFoundException e) {
        e.printStackTrace();
} catch (IOException e) {
        e.printStackTrace();
}finally {
        try {
                if(null!=os) {
                os.close();
                }
        } catch (IOException e) {
                e.printStackTrace();
        }
}
}
```

}