

```

package com.sxt.server;

import java.io.BufferedWriter;
import java.io.IOException;
import java.io.OutputStream;
import java.io.OutputStreamWriter;
import java.net.Socket;
import java.util.Date;

/**
 *
 * @author DELL
 *
 */

public class Response {
    private BufferedWriter bw;
    //正文
    private StringBuilder content;
    //协议头（状态行与请求头 回车）信息
    private StringBuilder headInfo;
    private int len;    //正文字节数
    private final String BLANK="";
    private final String CRLF="\r\n";

    public Response() {
        content=new StringBuilder();
        headInfo=new StringBuilder();
    }

    public Response(Socket client) {
        this();    //构造器重载
        try {
            bw=new BufferedWriter(new
OutputStreamWriter(client.getOutputStream()));

```

```

        } catch (IOException e) {
            System.err.println("响应出错");
            headInfo=null;
        }
    }
}

```

```

public Response(OutputStream os) {
    this();    //构造器重载
    bw=new BufferedWriter(new OutputStreamWriter(os));
}

```

//动态添加内容

```

public Response print(String info) {
    content.append(info).append(CRLF);
    len+=(info).getBytes().length;
    return this;
}

```

```

public Response println(String info) {
    content.append(info).append(CRLF);
    len+=(info+CRLF).getBytes().length;
    return this;
}

```

//推送响应信息

```

public void pushToBrowser(int code) throws IOException {
    if(null==headInfo) {
        code=505;
    }
    createHeadInfo(code);
    bw.append(headInfo);    //是append不是write
    bw.append(content);
    bw.flush();
}

```

//构建协议头信息

```
private void createHeadInfo(int code) {  
    //1. 响应的状态行: HTTP/1.1 200 OK  
    headInfo.append("HTTP/1.1").append(BLANK);  
    headInfo.append(code).append(BLANK);  
    switch(code) {  
        case 200:  
            headInfo.append("OK").append(CRLF);  
            break;  
        case 404:  
            headInfo.append("NOT FOUND").append(CRLF);  
            break;  
        case 505:  
            headInfo.append("SERVER ERROR").append(CRLF);  
            break;  
    }  
}
```

//响应头(最后一行存在空行)

/\*

```
    * Date:Mon, 31Dec209904:25:57GMT  
    * Server:shsxt Server/0.0.1;charset=GBK  
    * Content-type:text/html  
    * Content-length:39725426  
    */
```

```
headInfo.append("Date:").append(new Date()).append(CRLF);
```

```
headInfo.append("Server:").append("shsxt
```

```
Server/0.0.1;charset=GBK").append(CRLF);
```

```
headInfo.append("Content-type:text/htmlhtdhdr").append(CRLF);
```

```
headInfo.append(" Content-length:").append(len).append(CRLF);
```

```
}
```

