# 1 下载

两个头 ：**Content-Type,**

**Content-Disposition**

一个流：**response.getOutputStream()**

List<Map<String,Object>> list=*service*.findSales();  
String data=**"商品id，商品名称，销售数量\r\n"**;  
**if**(list!=**null**){  
 **for**(Map<String,Object> map:list){  
 **for**(Map.Entry<String,Object> entry:map.entrySet()){  
 data+=entry.getValue().toString()+**","**;  
 }  
 data+=**"\r\n"**;  
 }  
}  
String fname=**"EasyMall销售榜单"** + **new** Date().toLocaleString()+**".csv"**;  
response.setHeader(**"Content-Type"**,**this**.getServletContext().getMimeType(fname));  
String name= URLEncoder.*encode*(fname,**"utf-8"**);  
response.setHeader(**"Content-Disposition"**,**"attachment;filename="**+name);  
response.getWriter().write(data);

# 2 上传

**protected void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {  
 *//用来保存表单项的信息* **try** {  
 Map<String,String> map=**new** HashMap<String,String>();  
 map.put(**"id"**, UUID.*randomUUID*().toString());  
 DiskFileItemFactory factory=**new** DiskFileItemFactory();  
 *//设置缓存区大小* factory.setSizeThreshold(1024\*10);  
 *//设置临时文件的存储路径* factory.setRepository(**new** File(getServletContext().getRealPath(**"/WEB-INF/tmp/"**)));  
 ServletFileUpload upload=**new** ServletFileUpload(factory);  
 upload.setFileSizeMax(1024\*1024\*2);  
 upload.setSizeMax(1024\*1024\*10);  
 upload.setHeaderEncoding(**"utf-8"**);  
 List<FileItem> list=upload.parseRequest(request);  
 **for**(FileItem item:list){  
 **if**(item.isFormField()){  
 String name=item.getFieldName();  
 String value=item.getString(**"utf-8"**);  
 map.put(name,value);  
 }**else**{  
 String fname=item.getName();  
 fname=UUID.*randomUUID*().toString()+fname;  
 String path=**"/WEB-INF/upload"**;  
 String hash=Integer.*toHexString*(fname.hashCode());  
 **for**(**char** c:hash.toCharArray()){  
 path=path+**"/"**+c;  
 }  
 *//创建文件夹* **new** File(getServletContext().getRealPath(path)).mkdirs();  
 InputStream in=item.getInputStream();  
 OutputStream out=**new** FileOutputStream(getServletContext().getRealPath(path+fname));  
 **int** len=-1;  
 **byte**[] bs=**new byte**[1024];  
 **while**((len=in.read(bs))!=-1){  
 out.write(bs,0,len);  
 }  
*// IOUtils.copy(in,out);* map.put(item.getFieldName(),path+fname);  
 in.close();  
 out.close();  
 item.delete();  
 }  
 }  
 *//将商品保存到数据库* Product prod=**new** Product();  
 BeanUtils.*populate*(prod,map);  
 ProdService service=BasicFactory.*getFactory*().getInstance(ProdService.**class**);  
 service.addProduct(prod);  
 *//提示商品添加成功，跳转到后台商品查询* response.getWriter().write(**"恭喜您添加成功@\_@！"**);  
 response.setHeader(**"Refresh"**,**"2;url="**+request.getContextPath()+**"/BackProdListServlet"**);  
 } **catch** (FileUploadBase.FileSizeLimitExceededException e) {  
 request.setAttribute(**"msg"**,**"文件大小不能大于10M"**);  
 request.getRequestDispatcher(**"/back/manageAddProd.jsp"**).forward(request,response);  
 } **catch** (Exception e) {  
 e.printStackTrace();  
 request.setAttribute(**"msg"**,e.getMessage());  
 request.getRequestDispatcher(**"/back/manageAddProd.jsp"**).forward(request,response);  
 }