# Gson

## 1.添加依赖

|  |
| --- |
| <dependency>  <groupId>com.google.code.gson</groupId>  <artifactId>gson</artifactId>  <version>2.2.4</version>  </dependency> |

## 2.转化方法

**①.对象转Json:**

|  |
| --- |
| Gson gson = **new** Gson();  String json = gson.toJson(Object object); |

**②.Json转对象:**

|  |
| --- |
| **gson.**fromJson(String json, Class<T> classOfT) |

**③.集合转Json:**

|  |
| --- |
| Gson gson = **new** Gson();  String json = gson.toJson(Object object); |

**④.Json转集合:**

|  |
| --- |
| TypeToken<T> typeOfT = **new** TypeToken<T>(){};  T fromJson = (T)gson.fromJson(json, typeOfT.getType()); |

# Json-lib

## 1.添加依赖

|  |
| --- |
| <dependency>  <groupId>net.sf.json-lib</groupId>  <artifactId>json-lib</artifactId>  <version>2.4</version>  <classifier>jdk15</classifier>  </dependency> |

## 2.转化方法

1. **.对象转Json:**

|  |
| --- |
| JSONObject fromObject = JSONObject.*fromObject*(Object object);  String string = fromObject.toString(); |

**②.Json转对象:**

|  |
| --- |
| JSONObject fromObject2 = JSONObject.*fromObject*(string);  Object bean =JSONObject.*toBean*(JSONObject jsonObject, Class beanClass) |

**③.集合转Json:**

|  |
| --- |
| JSONArray fromObject = JSONArray.*fromObject*(Object object);  String string = fromObject.toString(); |

**④.Json转集合:**

|  |
| --- |
| JSONArray fromObject2 = JSONArray.*fromObject*(string);  Collection collection = JSONArray.*toCollection*  (JSONArray jsonArray, Class objectClass) |

# **3. Fastjson**

Fastjson**是阿里巴巴公司开发的，Java语言编写的，JSON的处理器。**

## 1.添加依赖

|  |
| --- |
| <dependency>  <groupId>com.alibaba</groupId>  <artifactId>fastjson</artifactId>  <version>1.2.31</version>  </dependency> |

## 2.转化方法

**①.对象转Json:** JSON.toJSONString(Object object);

**②.Json转对象:** JSON.parseObject(String text,Class<T> Class);

**③.集合转Json:** JSON.toJSONString(Object object)

**④.Json转集合:** JSON.parseArray(String text,Class<T> Class);