

## Google gson

- Google JSON
- Serialization
- Deserialization

## Google JSON

Gson is a Java library that can be used to convert Java Objects into their JSON representation. It can also be used to convert a JSON string to an equivalent Java object.

```
<dependency>  
  <groupId>com.google.code.gson</groupId>  
  <artifactId>gson</artifactId>  
  <version>2.8.0</version>  
</dependency>
```

## Serialization

```
class BagOfPrimitives {  
    private int value1 = 1;  
    private String value2 = "abc";  
    private transient int value3 = 3;  
    BagOfPrimitives() {}  
}  
  
BagOfPrimitives obj = new BagOfPrimitives();  
Gson gson = new Gson();  
String json = gson.toJson(obj);  
// json is {"value1":1,"value2":"abc"}
```

## Deserialization

```
BagOfPrimitives obj2 = gson.fromJson(json, BagOfPrimitives.class);
```

```
// obj2 is just like obj
```