

#Programming

#Java

#json

#string

#jackson

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EN

## Java - convert object to JSON String with Jackson lib

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4

points



In this short article, we would like to show how to convert any Java object to JSON, using an external Jackson library.

Quick solution:

```
1 // import com.fasterxml.jackson.core.JsonProcessingException;
2 // import com.fasterxml.jackson.databind.ObjectMapper;
3
4 ObjectMapper objectMapper = new ObjectMapper();
5
6 User userObject = new User("John", 21);
7 String userJson = objectMapper.writeValueAsString(userObject);
8
9 System.out.println(userJson); // {"name":"John","age":21}
```

Hint: to know how to attach Jackson \*.jar library to your project read [this article](#).

Note: if you want to parse JSON to Object read [this article](#).

Maven repository: <https://mvnrepository.com/artifact/com.fasterxml.jackson.core/jackson-databind>

### Practical example [Edit](#)

Full example of how to use Jackson library.

Main.java file content:

```
1 package examples;
2
3 import com.fasterxml.jackson.core.JsonProcessingException;
4 import com.fasterxml.jackson.databind.ObjectMapper;
5
6 public class Main {
7
8     public static void main(String[] arg) throws JsonProcessingException {
9
10         ObjectMapper objectMapper = new ObjectMapper();
11
12         User userObject = new User("John", 21);
13         String userJson = objectMapper.writeValueAsString(userObject);
14
15         System.out.println(userJson); // {"name":"John","age":21}
16     }
17 }
```

Example output:

```
1 {"name":"John","age":21}
```

User.java file content:

```
1 package examples;
2
3 public class User {
4
5     private String name;
6     private int age;
7
8     public User(String name, int age) {
9         this.name = name;
10        this.age = age;
11    }
12 }
```



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```
12
13     public String getName() {
14         return this.name;
15     }
16
17     public int getAge() {
18         return this.age;
19     }
20 }
```

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