

-by Mr. RAGHU, NareshIT, Hyderabad.

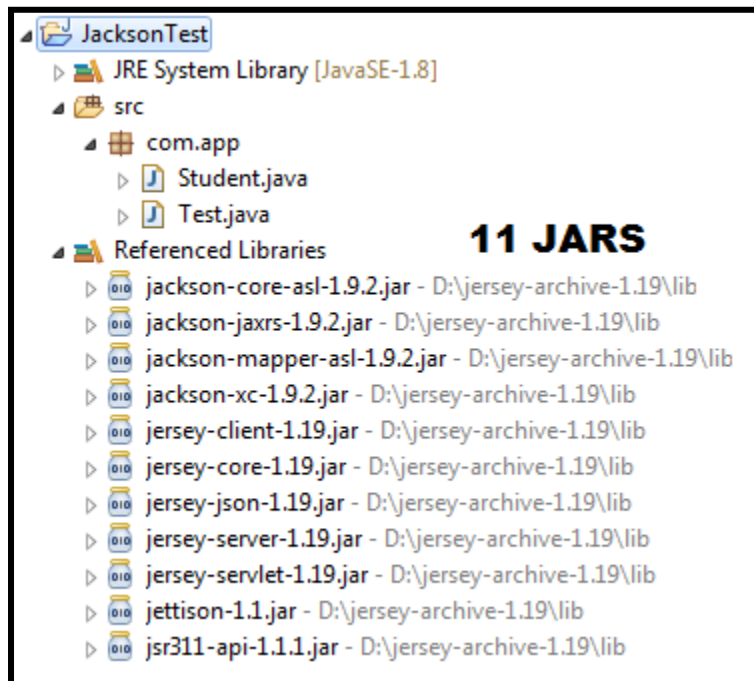
# JACKSON API EXAMPLES

## -by RAGHU SIR

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FB: <https://www.facebook.com/groups/thejavatemple/>

### Folder System:



### Step#1 Create a java Project

> File > new > java Project > Enter any name ex: JacksonTest > Finish

### Step#2 Download Jars

Download Link: <https://www.mediafire.com/file/tvex7v5f1tifuff/jersey-archive-1.19.zip/file>

> Extract to a folder > open \jersey-archive-1.19\lib > it contains 11 JARS

### Step#3 Add Jars to Project (Build path)

> Right click on Project > Build path > Configure Build path > Library tab > Click on Add External Jars > choose 11 Jars > Apply and Close.

### Step#4 Create Student java class

> Right click on src folder > new > class > enter package and class name > OK

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```
package com.app;
public class Student {

    private int sid;
    private String sname;
    private double sfee;
    //alt+shift+s > O > DeselectAll >OK
    public Student() {
        super();
    }
    //alt+shift+s > R > SelectAll >OK
    public int getSid() {
        return sid;
    }
    public void setSid(int sid) {
        this.sid = sid;
    }
    public String getName() {
        return sname;
    }
    public void setName(String sname) {
        this.sname = sname;
    }
    public double getSfee() {
        return sfee;
    }
    public void setSfee(double sfee) {
        this.sfee = sfee;
    }
}
```

Step#5 Create a test class under src folder

## [ Object to JSON]

```
package com.app;
//ctrl+shift+O to get import statements
import org.codehaus.jackson.map.ObjectMapper;
```

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```
public class Test {  
    //JARS Download Link:  
    //https://www.mediafire.com/file/tvex7v5f1tifuff/jersey-archive-  
    1.19.zip/file  
  
    //main > ctrl+space > enter  
    public static void main(String[] args) {  
  
        try {  
            //1. create Object to Student  
            Student s=new Student();  
            s.setSid(10);  
            s.setSname("RAGHU");  
            s.setSfee(2.3);  
  
            //2. create object to Object Mapper  
            ObjectMapper om=new ObjectMapper();  
  
            //3. call write methods  
            String json=om.writeValueAsString(s);  
  
            //4. print data  
            System.out.println(json);  
  
            //ctrl+F11 to see output  
        } catch (Exception e) {  
            System.out.println(e);  
        }  
        System.out.println("All the best!!");  
    }  
}
```

Step#6 Right click on Test class > Run As > Java application

output:

```
{"sid":10,"sname":"RAGHU","sfee":2.3}
```

All the best!!

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# [JSON to OBJECT]

```
package com.app;
import org.codehaus.jackson.map.ObjectMapper;

public class TestRead {

    public static void main(String[] args) {

        try {
            String
json="{\"sid\":10,\"sname\":\"RAGHU\",\"sfee\":3.2}";

            //2. create object to Object Mapper
            ObjectMapper om=new ObjectMapper();

            //3. call write methods
            Student s=om.readValue(json, Student.class);

            //4. print data
            System.out.println(s.getSid());
            System.out.println(s.getSname());
            System.out.println(s.getSfee());

            //ctrl+F11 to see output
        } catch (Exception e) {
            System.out.println(e);
        }
        System.out.println("All the best!!");
    }
}
```

Step#6 Right click on Test class > Run As > Java application

output:

10

RAGHU

3.2

All the best!!