// 31139 – Durvesh – DBMSLB6

// Sample Code

```java
package jsoned;
import org.json.simple.JSONObject;
import org.json.simple.JSONValue;

import java.io.Reader;
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
        Scanner in = new Scanner(System.in);
        System.out.println("\n\n\n");
        JSONObject student = new JSONObject();
        System.out.print("Enter Name: ");
        String name = in.nextLine();
        student.put("name",name);
        System.out.print("Enter Age: ");
        int age =in.nextInt();
        student.put("age",age);
        System.out.print("Enter marks: ");
        long marks = in.nextLong();
        student.put("marks",marks);

        System.out.print("Encoded JSON String: ");
        String encode = student.toJSONString();
        System.out.println(encode+"\n");

        JSONObject object = (JSONObject)
JSONValue.parse(encode);
        System.out.println("Decoding values from the
encoded string");
        System.out.println("name: "+object.get("name"));
        System.out.println("marks: "+object.get("marks"));
        System.out.println("age: "+object.get("age")+"\n");

        String manualjson = "{\"employee
name\":\"Prakash\",\"employee salary\":300000,\"employee
city\":\"Mumbai\"}";
        System.out.println("Manual JSON String:
"+manualjson+"\n");
        JSONObject object2 = (JSONObject)
JSONValue.parse(manualjson);
```

```java
        System.out.println("Decoding values from the manual
json string");
        System.out.println("Employee Name:
"+object2.get("employee name"));
        System.out.println("Salary: "+object2.get("employee
salary"));
        System.out.println("City: "+object2.get("employee
city"));
    }
}
```

// Outputs

```
"D:\Program Files\Java\jdk-12.0.1\bin\java.exe" "-javaagent:D:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2020.2.2\lib\idea_




Enter Name: John
Enter Age: 38
Enter marks: 98
Encoded JSON String: {"name":"John","marks":98,"age":38}

Decoding values from the encoded string
name: John
marks: 98
age: 38

Manual JSON String: {"employee name":"Prakash","employee salary":300000,"employee city":"Mumbai"}

Decoding values from the manual json string
Employee Name: Prakash
Salary: 300000
City: Mumbai

Process finished with exit code 0
```