**// 31139 – Durvesh – DBMSLB6**

**// Sample Code**

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);  
 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**

