Assignment - B7

Title: study & demonstrate the use of exading & deading Ison object using Java.

Problem Statement !-

of encoding of decoding Isom objects using Java.

Objective 3- To undebistand & emplement enough of decoding of JSON object.

S/W & H/W ?- Edipse, Java, 64 bit 05,
Pedora,

Theory !-

Json extension is bundled with PHP by default from version a 5.2.0 so there is no need of any special environ-ment.

TSON functions:

1) ISON encode: It returns the ison repensentation of a value.

e) JSON decode 3- 3+ decodes a John String.

3) JSON last error : It neturns the last error occurred Encoding:

Jeon-encode co Punction is used

For encoding which returns John

representation of a value. Syntax string Json encode (& value [togotioned] The nature paramater specifies value being specified 1+ warms only with UTF8 Decoding v

Jecoding v

Jecoding Jecode () function is used

for decoding Jean object to php. 3500-decode (\$ Jeon [\$ a soc = fase [f-depth= s,] Edoption zoll) Parametor: Jeon string. It is encoded string which must be UTF-8 encoded dates

unen get to tree, returned objects will be converted into associated arrays. alepth: It is an integer type parameter which specifies recurrision detth. options: It is an integer type bit-mask of Json decade suppreser Ison string. Conclusion: we have studied & demenstra ted the use of encoding & decoding object using Java.

```
import org.json.JSONArray;
import java.util.*;
import org.json.simple.JSONObject;
public class EncodeObj {
public static void main(String[] args) {
 try {
  Scanner sc = new Scanner(System.in);
  System.out.println("Enter a Employee ID:");
  int id=sc.nextInt();
  System.out.println("Enter a Name :");
  String name =sc.next();
  System.out.println("Enter a Salary:");
  double sal=sc.nextDouble();
  System.out.println("Enter a City:");
  String city =sc.next();
  System.out.println("Enter a state:");
  String state =sc.next();
  System.out.println("Enter a Country :");
  String country =sc.next();
  JSONObject obj = new JSONObject();
     obj.put("Emp id", new Integer(id));
     obj.put("Emp name",name);
     obj.put("Salary",new Double(sal));
     JSONObject address=new JSONObject();
     address.put("city",city);
     address.put("State",state);
     address.put("Country",country);
     obj.put("address",address);
     System.out.println(obj.toJSONString());
     int id1=(int) obj.get("Emp id");
     String name1 = (String) obj.get("Emp_name");
     double sal1=(double) obj.get("Salary");
     String city1 = (String) address.get("city");
```

```
String state1 = (String) address.get("State");
     String country1 = (String) address.get("Country");
     System.out.println();
     System.out.println("Emp id:"+id1);
     System.out.println("Emp name: "+name1);
 System.out.println("Salary: "+sal1);
 System.out.println("City: "+city1);
 System.out.println("state : "+state1);
 System.out.println("Country: "+country1);
 }catch(Exception e)
 e.printStackTrace();
}
Output:
Enter a Employee ID:
101
Enter a Name:
Shubham
Enter a Salary:
50000
Enter a City:
Pune
Enter a state:
Maharastra
Enter a Country:
India
{"Emp_id":101,"Salary":50000.0,"address":{"city":"Pune","State":"Maharastra","Country":"India"},"Emp_name":"
Shubham"}
Emp id: 101
Emp name: Shubham
Salary: 50000.0
City: Pune
state: Maharastra
Country: India
```