Assignment B7

Date__ Page_

Date Page
 Encoding:
 Encoding: json-encode () function is used for encoding which returns Json representation of
 which returns Json representation
a value.
Syntax:
string ison encode (\$value [. \$ option = 0])
The value parameters specifies value being
 specified. It wast only with UTF &
encoded data
The second secon
Decoding.
json decoder function is used for
de coding Json object to PMP.
Syntax
Uson-decode (\$ json [, \$ assoc = false [,
d depth = SIJI, \$ ophion = 0 J])
Pasameters'
Json-string: It is encoded string which must be utF.8 encoded date.
must be utF.8 encoded data.
 assoc It is boolean type parameters
when set to true, returned objects

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will be converted into associated arrayo
depth: It is an integer type parameters which specifies recursion depth.
options: It is an integer type bitmask of Json decode . It suppremer Iron string.
Conclusion:- Me have studied and demonstraced
the use of encoding and decoding object

Scanned by TapScanner

```
Source Code:
import java.util.ArrayList;
import java.util.Scanner;
import org.bson.Document;
import org.json.JSONArray;
import org.json.JSONObject;
import com.mongodb.DB;
import com.mongodb.DBCollection;
import com.mongodb.MongoClient;
import com.mongodb.client.FindIterable;
import com.mongodb.client.MongoCollection;
import com.mongodb.client.MongoDatabase;
class JsonObject
       public static void main(String args[])
              MongoClient mongoClient = new MongoClient("localhost", 27017);
    MongoDatabase db = mongoClient.getDatabase("assignment_B7");
               MongoCollection coll = db.getCollection("student");
               FindIterable<Document> docs = coll.find();
              ArrayList<Document> arr = new ArrayList<Document>();
```

```
for(Document doc : docs)
       arr.add(doc);
       System.out.println(doc);
//Encoding
               JSONObject g_data = new JSONObject();
               g_data.put("name", "g");
               g_data.put("age", 17);
               g_data.put("div", "g");
               JSONObject h_data = new JSONObject();
               h_data.put("name", "h");
               h_data.put("age", 18);
               h_data.put("div", "h");
               JSONArray newData = new JSONArray();
               newData.put(g_data);
               newData.put(h_data);
               for(int i=0; i<newData.length(); i++)
                       Document doc = Document.parse(newData.get(i).toString());
                       coll.insertOne(doc);
               System.out.println("\nAfter insert");
               for(Document docss : docs)
                       System.out.println(docss);
```

```
//Decoding

JSONObject obj2 = new JSONObject(arr.get(0));

Student s1 = new Student();

s1.name = (String) obj2.get("name");

s1.age = (Double) obj2.get("age");

s1.div = (String) obj2.get("div");

s1.display();

}

}

class Student {

   public String name, div;
   public double age;
   public void display() {

        System.out.println("name: " + name);

        System.out.println("age: " + age);

        System.out.println("div: " + div);

}
```