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Problem Statement: Create simple objects and array objects using JSON

Main.java

```
package b6;

import com.mongodb.*;
import org.bson.BSONObject;
import org.json.simple.JSONArray;
import org.json.simple.JSONObject;

import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
        MongoClient mongoClient = new MongoClient("localhost",27017);
        DB db = mongoClient.getDB("doorways");
        DBCollection mock2tickets = db.getCollection("mock2tickets");

        System.out.println("-----Welcome to PlanetariumX-----");

        Scanner scanner = new Scanner(System.in);
        JSONObject ticket = new JSONObject();
        System.out.print("Enter Ticket Bearer's Name: ");
        String bearer = scanner.nextLine();
        ticket.put("Ticket Bearer",bearer);
        System.out.print("Enter Number of people: ");
        int nump = scanner.nextInt();
        scanner.nextLine();
        ticket.put("Number of people",nump);
        JSONArray people = new JSONArray();
        for(int i=0;i<nump;i++){
            JSONObject person = new JSONObject();
            System.out.print("Enter Name of Person "+(i+1)+" : ");
            String name = scanner.nextLine();
            System.out.print("Enter their age: ");
            int age = scanner.nextInt();
            if(age<3){
                i--;
                System.out.println("Children under 3 not allowed!");
                continue;
            }
            scanner.nextLine();
            person.put("name",name);
            person.put("age",age);
            people.add(person);
        }
        System.out.println("Ticket Value: "+1000*nump);
        ticket.put("people",people);
        ticket.put("Ticket value: ",1000*nump);

        BasicDBObject basicDBObject =BasicDBObject.parse(ticket.toJSONString());
        mock2tickets.insert(basicDBObject);
        System.out.println("Printing all the tickets.....");
        DBCursor dbCursor = mock2tickets.find();
        while (dbCursor.hasNext()){
```

```

        System.out.println(dbCursor.next());
    }
    System.out.println("\n\nYour Ticket:");
    DBCursor dbCursor1 = mock2tickets.find(BasicDBObject.parse("{\"Ticket Bearer\":\""+bearer+"\"}"));
    while (dbCursor1.hasNext()) {
        System.out.println(dbCursor1.next());
    }
}
}

```

```

"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_rt.jar=50753:D:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2020.2.2\bin" -Dfile.encoding=UTF-8
Nov 30, 2020 10:04:14 AM com.mongodb.diagnostics.logging.JULLogger log
INFO: Cluster created with settings {hosts:[localhost:27017], mode=SINGLE, requiredClusterType=UNKNOWN, serverSelectionTimeout='30000 ms', maxWaitQueueSize=500}
-----Welcome to PlanetariumX-----
Enter Ticket Bearer's Name: Nov 30, 2020 10:04:14 AM com.mongodb.diagnostics.logging.JULLogger log
INFO: Opened connection [connectionId{localValue:1, serverValue:7}] to localhost:27017
Nov 30, 2020 10:04:14 AM com.mongodb.diagnostics.logging.JULLogger log
INFO: Monitor thread successfully connected to server with description ServerDescription{address=localhost:27017, type=STANDALONE, state=CONNECTED, ok=true, version=ServerVersion{versionList=[4, 4, 0],
Enter Number of people: 3
Enter Name of Person 1: Digvijay
Enter their age: 19
Enter Name of Person 2: Pranav
Enter their age: 19
Ticket Value: 2000
Nov 30, 2020 10:04:42 AM com.mongodb.diagnostics.logging.JULLogger log
INFO: Opened connection [connectionId{localValue:2, serverValue:8}] to localhost:27017
Printing all the tickets.....
{"_id": {"$oid": "5fc4718cf4172d588476cea3"}, "Number of people": 2, "people": [{"name": "Digvijay", "age": 19}, {"name": "Pranav", "age": 19}], "Ticket value": ": 2000, "Ticket Bearer": "Digvijay"}
{"_id": {"$oid": "5fc471f08f92840583518219"}, "Number of people": 3, "people": [{"name": "Abhishek", "age": 21}, {"name": "Aditya", "age": 19}, {"name": "Satej", "age": 20}], "Ticket value": ": 3000, "Ticket Bearer": "Abhishek"}
{"_id": {"$oid": "5fc47661638fa203e6aa8267"}, "Number of people": 2, "people": [{"name": "Ujjwal", "age": 20}, {"name": "Aditya K", "age": 19}], "Ticket value": ": 2000, "Ticket Bearer": "Ujjwal"}

Your Ticket:
{"_id": {"$oid": "5fc47661638fa203e6aa8267"}, "Number of people": 2, "people": [{"name": "Ujjwal", "age": 20}, {"name": "Aditya K", "age": 19}], "Ticket value": ": 2000, "Ticket Bearer": "Ujjwal"}

Process finished with exit code 0

```