

```

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);
    }
}
```