// Sample Code

```
package mongo;
import org.json.JSONArray;
import org.json.simple.JSONObject;
import com.mongodb.MongoClient;
import com.mongodb.*;
public class Main {
    public static void main(String[] args) {
        JSONObject teacher = new JSONObject();
        teacher.put("name", "Dinesh Marathe");
        teacher.put("qualification", "MSc");
        JSONArray conferences = new JSONArray();
        conferences.put("CVPR");
        conferences.put("ICC");
        conferences.put("ICML");
        JSONObject salary = new JSONObject();
        salary.put("TA", 20000);
        salary.put("DA", 40000);
        salary.put("HRA", 30000);
        teacher.put("conferences", conferences);
        teacher.put("salary", salary);
        System.out.println("JSON Object Finalized");
        System.out.println("teacher");
        MongoClient mongoClient = new
MongoClient("localhost",27017);
        DB db = mongoClient.getDB("doorways");
        DBCollection teachers =
```

```
db.getCollection("teachers");

    // Inserting the teacher document
    BasicDBObject bson =

BasicDBObject.parse(teacher.toJSONString());
    teachers.insert(bson);

    // Printing out all the documents in teachers

collection
    DBCursor cursor = teachers.find();
    while(cursor.hasNext()){
        System.out.println(cursor.next());
    }
    System.out.println("");

    // Printing out one of the documents
    bson =

BasicDBObject.parse("{\"salary.basic\":300000}");
    cursor = teachers.find(bson);
    while(cursor.hasNext()){
        System.out.println(cursor.next());
    }
}
```

// Outputs

