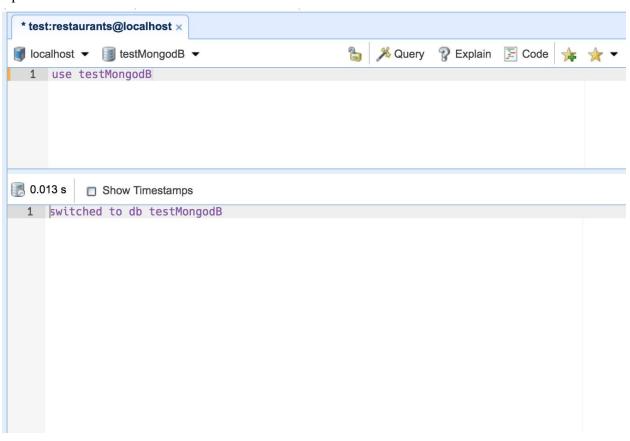
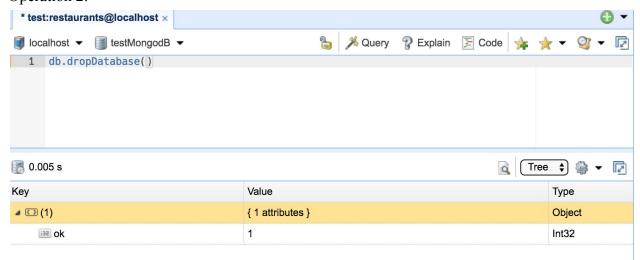
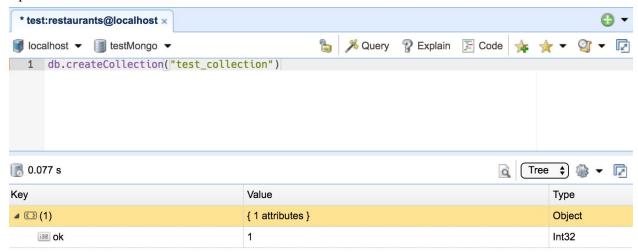
Task 1 Operation 1:



Operation 2:



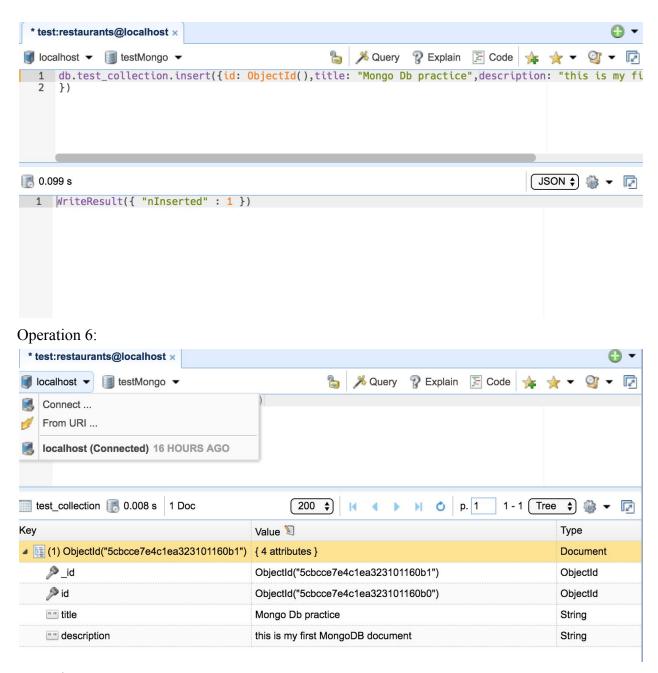
Operation 3:



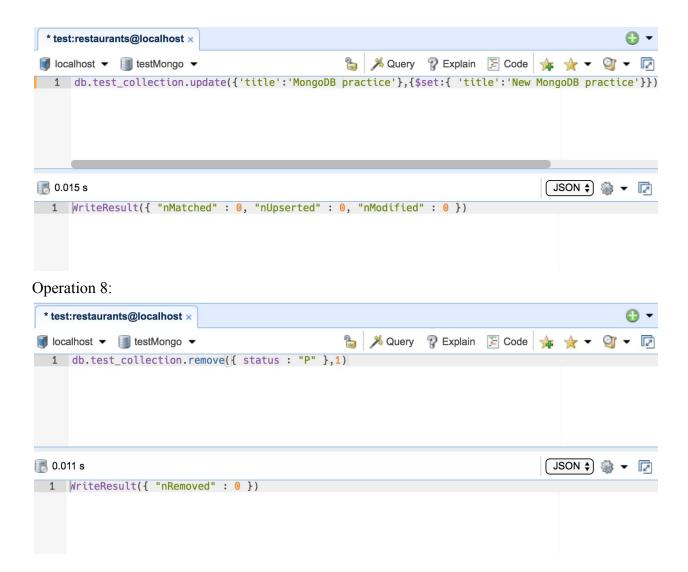
Operation 4:



Operation 5:



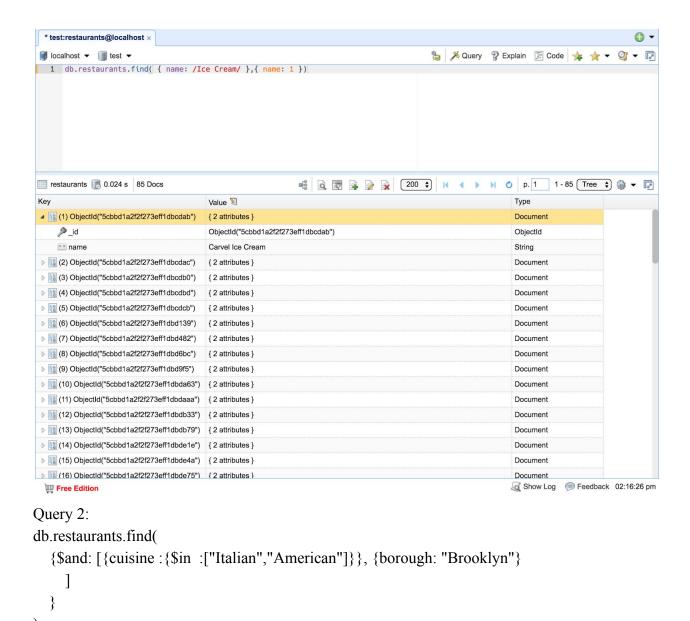
Operation 7:

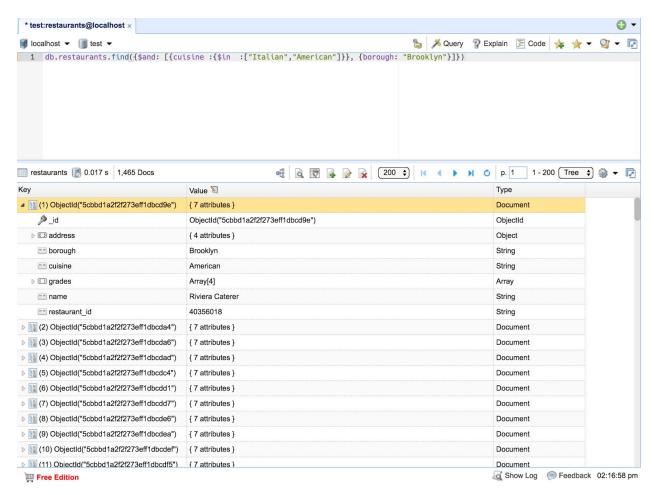


Task 2

Query 1:

db.restaurants.find({ name: /Ice Cream/ }, { name: 1 })





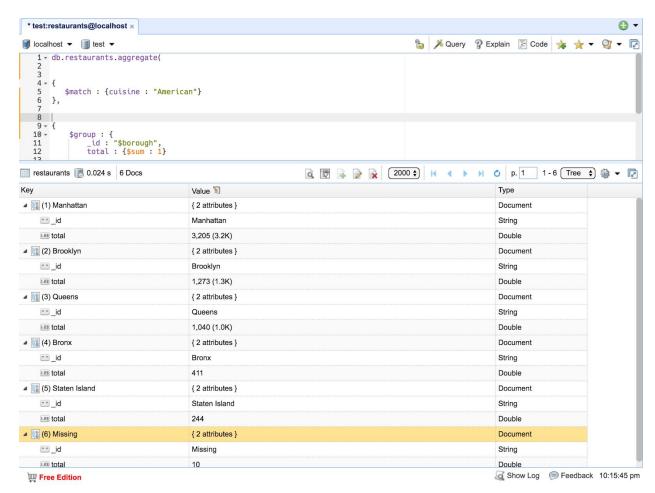
Query 3: db.restaurants.aggregate(

```
{
    $match : {cuisine : "American"}
},

{
    $group : {
        _id : "$borough",
        total : {$sum : 1}

}
}
```

```
{
    $sort : { total : -1}
}
```



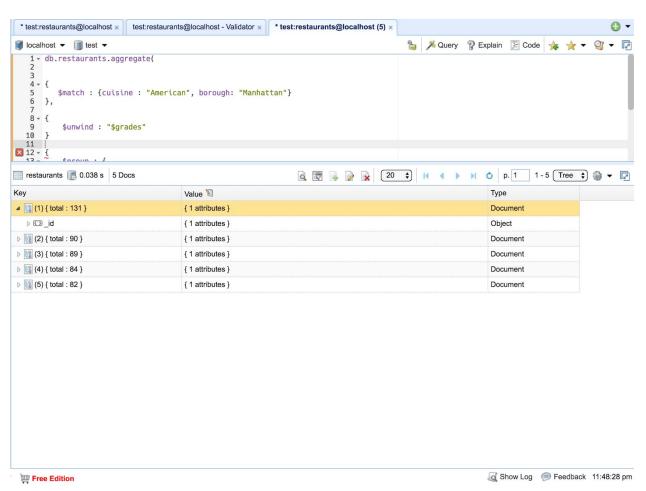
Query 4: db.restaurants.aggregate(

```
{
    $match : {cuisine : "American", borough: "Manhattan"}
},
{
    $unwind : "$grades"
```

```
{
    $group : {
        _id : {
        total : {$sum : "$grades.score"}
     }
}

{
    $sort : {_id : -1}
}
```

).limit(5)



Query 5: