Q1:
Script:
```
db.nyt2.count({"title":/odd/i,"rank":{$gte:10}})
```
Result:
```
11
```

Q2:
Script:
```
db.nyt2.update({"author":{$in:["John Grisham","Zadie Smith"]}},
                {$set:{"read":true}},
                {multi:true})
```
Result:
```
WriteResult({ "nMatched" : 235, "nUpserted" : 0, "nModified" : 235 })
```

Q3:
Script:
```
db.nyt2.count({"read":{$exists:false}})
```
Result:
```
9960
```

Q4:
Script:
```
db.nyt2.distinct("title",{"price":{$gte:10,$lte:20}})
```
Result:
```
[
    "1225 CHRISTMAS TREE LANE",
    "A CEDAR COVE CHRISTMAS",
    "A WALLFLOWER CHRISTMAS",
    "A WINTER DREAM",
    "ANGELS AT THE TABLE",
    "BLOCKADE BILLY",
    "CALL ME MRS. MIRACLE",
    "GRACE",
    "HEAT WAVE",
    "INTO THE DREAMING",
    "LOST DECEMBER",
    "PROMISE ME",
    "THE BRIDGE",
    "THE CHRISTMAS LIST",
    "THE CHRISTMAS SWEATER",
    "THE CLONE WARS",
    "THE PERFECT CHRISTMAS",
    "THE ROAD TO GRACE"
]
```

Q5:

Script:

```
db.nyt2.aggregate({$group:{"_id":{publisher:"$publisher"},
                           "max_price":{$max:"$price"}}},
                  {$sort:{max_price:-1}},
                  {$limit:10})
```

Result:

{ "_id" : { "publisher" : "Dutton" }, "max_price" : 36 }
{ "_id" : { "publisher" : "Bantam" }, "max_price" : 35 }
{ "_id" : { "publisher" : "Little, Brown" }, "max_price" : 35 }
{ "_id" : { "publisher" : "Morrow/HarperCollins" }, "max_price" : 35 }
{ "_id" : { "publisher" : "Scribner" }, "max_price" : 35 }
{ "_id" : { "publisher" : "Tor/Tom Doherty" }, "max_price" : 34.99 }
{ "_id" : { "publisher" : "Knopf" }, "max_price" : 30.5 }
{ "_id" : { "publisher" : "Doubleday" }, "max_price" : 30 }
{ "_id" : { "publisher" : "Delacorte" }, "max_price" : 30 }
{ "_id" : { "publisher" : "Ace" }, "max_price" : 30 }