Task1:

```
Haroon> db.restaurants.find({})
[
  {
    _id: ObjectId('656606a628d0d6102d31b1fd'),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      {
        date: ISODate('2014-03-03T00:00:00.000Z'),
        grade: 'A',
        score: 2
      },
      {
        date: ISODate('2013-09-11T00:00:00.000Z'),
        grade: 'A',
        score: 6
      },
      {
        date: ISODate('2013-01-24T00:00:00.000Z'),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate('2011-11-23T00:00:00.000Z'),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate('2011-03-10T00:00:00.000Z'),
        grade: 'B',
        score: 14
      }
    ],
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  }
]
Haroon>
```

Task2:

```
Haroon> db.restaurants.find({}, { "restaurant_id": 1, "name": 1, "borough": 1, "cuisine": 1 })
[
  {
    _id: ObjectId('656606a628d0d6102d31b1fd'),
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  }
]
Haroon>
```

Task3:

```
Haroon> db.restaurants.find({}, { "_id": 0, "restaurant_id": 1, "name": 1, "borough": 1, "cuisine": 1 })
[
  {
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  }
]
Haroon>
```

Task4:

```
Haroon> db.restaurants.find({}, { "_id": 0, "restaurant_id": 1, "name": 1, "borough": 1, "address.zipcode": 1 })
[
  {
    address: { zipcode: '10462' },
    borough: 'Bronx',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  }
]
Haroon>
```

Task5:

```
Haroon>  db.restaurants.find({ "borough": "Bronx" })
[    cuisine: 'Bakery',
  { grades: [
    _id: ObjectId('656606a628d0d6102d31b1fd'),
    address: {ISODate('2014-03-03T00:00:00.000Z'),
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },  date: ISODate('2013-09-11T00:00:00.000Z'),
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      {
        date: ISODate('2014-03-03T00:00:00.000Z'),
        grade: 'A',
        score: 20
      },
      {
        date: ISODate('2013-09-11T00:00:00.000Z'),
        grade: 'A',
        score: 6
      },
      {
        date: ISODate('2013-01-24T00:00:00.000Z'),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate('2011-11-23T00:00:00.000Z'),
        grade: 'A','30075445'
        score: 9
      },
      {
        date: ISODate('2011-03-10T00:00:00.000Z'),
        grade: 'B',
        score: 14
      }
    ],
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  }
]
Haroon>
```

Task6:

```
Haroon> db.restaurants.find({ "borough": "Bronx" }).limit(5)
[
  {
    _id: ObjectId('656606a628d0d6102d31b1fd'),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      {
        date: ISODate('2014-03-03T00:00:00.000Z'),
        grade: 'A',
        score: 2
      },
      {
        date: ISODate('2013-09-11T00:00:00.000Z'),
        grade: 'A',
        score: 6
      },
      {
        date: ISODate('2013-01-24T00:00:00.000Z'),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate('2011-11-23T00:00:00.000Z'),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate('2011-03-10T00:00:00.000Z'),
        grade: 'B',
        score: 14
      }
    ],
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  }
]
Haroon>
```

Task7:

```
Haroon> db.restaurants.find({ "grades.score": { $gt: 90 } })
```

Task8:

```
Haroon> db.restaurants.find({ "grades.score": { $gt: 80, $lt: 100 } })
```

Task9:

```
Haroon> db.restaurants.find({ "address.coord.0": { $lt: -95.754168 } })
```

Task10:

```
Haroon> db.restaurants.find({ "borough": "Bronx", $or: [ { "cuisine": "American" }, { "cuisine": "Chinese" }] })

Haroon>
```