Query to show a list of documents in the houses collections

```
Atlas atlas-whx0uc-shard-0 [primary] web335DB> db.houses.find()
   _id: ObjectId("6322fbd13f8f4ce273793f93"),
   mascot: 'Lion',
   founder: 'Godric Gryffindor',
   houseId: 'h1007'
 },
   _id: ObjectId("6322fbd13f8f4ce273793f94"),
   mascot: 'Badger',
   founder: 'Helga Hufflepuff',
   houseId: 'h1008'
 },
 {
   _id: ObjectId("6322fbd13f8f4ce273793f95"),
   mascot: 'Eagle',
   founder: 'Rowena Ravenclaw',
   houseId: 'h1009'
 },
   _id: ObjectId("6322fbd13f8f4ce273793f96"),
   mascot: 'Snake',
   founder: 'Salazar Slytherin',
   houseId: 'h1010'
 }
Atlas atlas-whx0uc-shard-0 [primary] web335DB>
```

#### Query to show a list of documents in the student's collections

#### Query to add a document to the student's collections

```
Atlas atlas-whx0uc-shard-0 [primary] web335DB> db.students.insertOne({ firstName: 'Mabel', lastName: 'Phil', studentId: 's1223', houseId: 'h1118'})
{
    acknowledged: true, insertedId: ObjectId("632303053f8f4ce273793fa3")
}
```

Query to display the new doc added.

```
Atlas atlas-whx0uc-shard-0 [primary] web335DB> db.students.findOne({firstName: 'Mabel'})
{
    _id: ObjectId("632303053f8f4ce273793fa3"),
    firstName: 'Mabel',
    lastName: 'Phil',
    studentId: 's1223',
    houseId: 'h1118'
}
```

## Query to delete the doc created

```
Atlas atlas-whx0uc-shard-0 [primary] web335DB> db.students.deleteOne({firstName:"Mabel"}) { acknowledged: true, deletedCount: 1 }
```

### Query to prove doc is no longer there

```
Atlas atlas-whx0uc-shard-0 [primary] web335DB> db.students.findOne({firstName: 'Mabel'})
null
```

## Aggregate query to show list of students by house

```
Atlas atlas-whx0uc-shard-0 [primary] web335DB> db.houses.aggregate([{ $lookup:{ from:"students", localField:"houseId",
  oreignField:"houseId", as:"students" }}])
      _id: ObjectId("6322fbd13f8f4ce273793f93"),
     mascot: 'Lion',
founder: 'Godric Gryffindor',
houseId: 'h1007',
      students: [
             _id: ObjectId("6322fbd13f8f4ce273793f97"),
           firstName: 'Albus',
lastName: 'Dumbledore',
studentId: 's1007',
            houseId: 'h1007'
           _id: ObjectId("6322fbd13f8f4ce273793f98"), firstName: 'Minerva', lastName: 'McGonagall', studentId: 's1008', houseId: 'h1007'
           _id: ObjectId("6322fbd13f8f4ce273793f99"),
firstName: 'Hagrid',
lastName: 'Rubeus',
studentId: 's1009',
houseId: 'h1007'
      _id: ObjectId("6322fbd13f8f4ce273793f94"),
     mascot: 'Badger',
founder: 'Helga Hufflepuff',
houseId: 'h1008',
      students: [
             _id: ObjectId("6322fbd13f8f4ce273793f9a"),
           firstName: 'Bridget',
lastName: 'Wenlock',
studentId: 's1010',
            houseId: 'h1008'
```

#### Aggregate query to show a list of students for house of Gryffind

# Query to show a list of students for the Eagle mascot using \$match and \$lookup