Lab: MongoDB Practice 1

You may still use the testDB database for this lab.

Part A

Start from an empty inventory collection and populate the collection using the following command.

- 1. Find all the documents with qty greater than or equal to 50 and with status "A" or "P".
- 2. Find all the documents with h greater than 15 and less than 20. The result should only return the item and the qty fields.

Part B

Start from an empty inventory collection and populate the collection using the following command.

```
db.inventory.insertMany( [
{ item: "journal", instock: [ { warehouse: "A", qty: 5 }, { warehouse: "C", qty: 15 } ] },
{ item: "notebook", instock: [ { warehouse: "C", qty: 5 } ] },
{ item: "paper", instock: [ { warehouse: "A", qty: 60 }, { warehouse: "B", qty: 15 } ] },
{ item: "planner", instock: [ { warehouse: "A", qty: 40 }, { warehouse: "B", qty: 5 } ] },
{ item: "pen", instock: [ { warehouse: "A", qty: 50 }, { warehouse: "B", qty: 10 }, { warehouse: "C", qty: 20 } ] },
{ item: "postcard", instock: [ { warehouse: "B", qty: 15 }, { warehouse: "C", qty: 35 } ] },
{ item: "pencil"},
]);
```

- 1. Find the documents where the instock array has at least one element that satisfies both conditions: warehouse equal to "A" and qty greater than 40.
- 2. Find the documents where the first element in the instock array has qty greater than 10 and the second element in that array has qty less than 15.