NoSQL-Mongo Lab2

**After Insert Data File**

Use Robo 3T to create the following: Use Inventory Collection or any Collection

1. Provide the MongoDB code for enforcing JSON schema validation when creating a collection named "employees" with required fields "name," "age" (min. 18), and "department" (limited to ["HR," "Engineering," "Finance"]).
2. Find documents where the "tags" field exists.
3. Find documents where the "status" field has a value in [A, B] using both the `$in` , `$or` operators.
4. Find documents where the "tags" field does not contain values "ssl" or "security."
5. Find documents where the "qty" field is equal to 85.
6. Find documents where the "qty" field is greater than 95.
7. Find documents where the "qty" field is less than or equal to 45.
8. Find documents where the "item" field does not start with "note."
9. Find documents where the "tags" array contains all of the values [ssl, security] using the `$all` operator.
10. Find documents where the "dim\_cm" array contains values between 20 and 30 using `$elemMatch`.
11. Find documents where the "tags" array has a size of 3.
12. Find documents where the "tags" field is of type array.
13. Update the "item" field in the "paper" document, setting "size.uom" to "meter" and using the `$currentDate` operator.
    1. Also, use the upsert option and change filter condition item:”paper”.
    2. Use the `$setOnInsert` operator.
    3. Try `updateOne`, `updateMany`, and `replaceOne`.
14. Insert a document with incorrect field names "neme" and "ege," then rename them to "name" and "age."
15. Try to reset any document field using the `$unset` function.
16. Try update operators like `$inc`, `$min`, `$max`, and `$mul` to modify document fields.