Group C: Assignment No.1

Create a NOSQL DB on "Order management System" using MongoDB and implement following operations on document.

- Insert (batch insert, insert validation)
- Save
- Remove
- Update
- Replace Document
- Usage of modifiers
- Upserts
- Update Multiple documents

Return updated documents

```
> show collections;
customer
order_details
orders
product
>
```

```
### Company of the property of
```

```
by db.product.drop()
true
by db.createCollection("product", {validator: {p_id: {$type:"int"},p_name: {$type:"string"},p_cost: {$type:"long"}}) {
    "ok" : 1 }
by db.product.insert({id:1,p_id:NumberInt(1),p_name:"TV",p_cost: NumberLong(30200)})
writeResult({ "nInserted" : 1 })
by db.product.insert({id:2,p_id:NumberInt(2),p_name:"shirt",p_cost: NumberLong(1000)})
writeResult({ "nInserted" : 1 })
by db.product.insert({id:3,p_id:NumberInt(3),p_name:"pen",p_cost: NumberLong(10)})
writeResult({ "nInserted" : 1 })
by db.product.insert({id:4,p_id:NumberInt(4),p_name:"mobile",p_cost: NumberLong(12499)})
writeResult({ "nInserted" : 1 })
by db.product.insert({id:4,p_id:NumberInt(5),p_name:"shoes",p_cost: NumberLong(3499)})
writeResult({ "nInserted" : 1 })
by db.product.insert({id:5,p_id:NumberInt(5),p_name:"shoes",p_cost: NumberLong(3499)})
writeResult({ "nInserted" : 1 })
by db.product.find(),pretty();
{ "_id" : 1, p_id" : 1, p_name" : "TV", "p_cost" : NumberLong(1000)}
{ "_id" : 3, p_id" : 3, "p_name" : "shoes", "p_cost" : NumberLong(100)}
{ "_id" : 4, "p_id" : 4, "p_name" : "mobile", "p_cost" : NumberLong(3499)}
}
{ "_id" : 5, "p_id" : 5, "p_name" : "shoes", "p_cost" : NumberLong(3499)}
{ "_id" : 1, p_id" : 1, "p_name" : "shoes", "p_cost" : NumberLong(1000)}
{ "_id" : 2, "p_id" : 2, "p_name" : "shoes", "p_cost" : NumberLong(1000)}
{ "_id" : 3, "p_id" : 3, "p_name" : "shoes", "p_cost" : NumberLong(1000)}
{ "_id" : 2, "p_id" : 2, "p_name" : "shoes", "p_cost" : NumberLong(1000)}
{ "_id" : 3, "p_id" : 3, "p_name" : "pen", "p_cost" : NumberLong(1000)}
{ "_id" : 4, "p_id" : 4, "p_name" : "shoes", "p_cost" : NumberLong(1000)}
{ "_id" : 4, "p_id" : 5, "p_name" : "shoes", "p_cost" : NumberLong(1000)}
{ "_id" : 5, "p_id" : 5, "p_name" : "shoes", "p_cost" : NumberLong(1000)}
{ "_id" : 5, "p_id" : 5, "p_name" : "shoes", "p_cost" : NumberLong(1000)}
{ "_id" : 5, "p_id" : 5, "p_name" : "shoes", "p_cost" : NumberLong(1000)}
{ "_id" : 5, "p_id" : 5, "p_name" : "shoes", "p_cost" : NumberLong(1000)}
}
{ "_id" : 5, "p_id" : 5, "p_n
```

```
> db.product.find({p_cost:{$\te:1000}})
{ "_id" : 2, "p_id" : 2, "p_name" : "shirt", "p_cost" : NumberLong(1000) }
{ "_id" : 3, "p_id" : 3, "p_name" : "pen", "p_cost" : NumberLong(10) }
> db.product.find({p_cost:{$\text{st:1000}}})
{ "_id" : 1, "p_id" : 1, "p_name" : "TV", "p_cost" : NumberLong(30200) }
{ "_id" : 4, "p_id" : 4, "p_name" : "mobile", "p_cost" : NumberLong(12499) }
{ "_id" : 5, "p_id" : 5, "p_name" : "shoes", "p_cost" : NumberLong(3499) }
```

```
> db.product.update({_id:5},{$set:{_id:5,p_name:"sneakers",p_cost:NumberLong(4499)}},{upsert:true})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.product.find()
{ "_id" : 1, "p_id" : 1, "p_name" : "TV", "p_cost" : NumberLong(30200) }
{ "_id" : 2, "p_id" : 2, "p_name" : "shirt", "p_cost" : NumberLong(1000) }
{ "_id" : 3, "p_id" : 3, "p_name" : "shirt", "p_cost" : NumberLong(10) }
{ "_id" : 4, "p_id" : 3, "p_name" : "mobile", "p_cost" : NumberLong(12499) }
{ "_id" : 5, "p_id" : 5, "p_name" : "sneakers", "p_cost" : NumberLong(4499) }
```

```
> db.product.updateMany({p_cost:{$lte:1000}},{$set:{p_cost:NumberLong(500)}})
{ "acknowledged" : true, "matchedCount" : 2, "modifiedCount" : 2 }
> db.product.find()
{ "_id" : 1, "p_id" : 1, "p_name" : "TV", "p_cost" : NumberLong(30200) }
{ "_id" : 2, "p_id" : 2, "p_name" : "shirt", "p_cost" : NumberLong(500) }
{ "_id" : 3, "p_id" : 3, "p_name" : "pen", "p_cost" : NumberLong(500) }
{ "_id" : 4, "p_id" : 4, "p_name" : "mobile", "p_cost" : NumberLong(12499) }
{ "_id" : 5, "p_id" : 5, "p_name" : "sneakers", "p_cost" : NumberLong(4499) }
>
```