**Practical 11**

**CREATE**

db.createCollection("Library");

**INSERT**

db.library.insert({"bid":1,"name":"C++"})

db.library.insert({"bid":2,"name":"Java"})

db.library.insert({"bid":3,"name":"Python"})

**FIND**

db.library.find();

db.library.find().pretty();

**UPDATE**

db.library.update({"name":"Python"},{$set:{"name":"Python3.7"}})

db.library.find();

**REMOVE**

db.library.remove({"bid":1});

db.library.find();

**FIND USING NAME**

db.library.find({"name":"Java"});

db.library.insert({"bid":4,"name":"Java","desc":"fake book"})

db.library.find({"name":"Java"});

**FIND USING OPERATOR**

db.library.find({$and:[{"name":"Java"},{"desc":"fake book"}]});

db.library.find({$or:[{"name":"Java"},{"desc":"fake book"}]});

db.library.find({$or:[{"name":"Java"},{"name":"Python3.7"}]}).pretty();

db.library.insert({"bid":4,"name":"my story","cost":500});

db.library.insert({"bid":4,"name":"my story 2.0 ","cost":800});

db.library.insert({"bid":4,"name":"my story beta ","cost":50});

db.library.find({"cost":{$gte:100}})

db.library.find({"cost":{$in:[100,200,300,500]}})

db.library.find({"cost":{$nin:[100,200,300,500]}})

**Installation**

sudo apt install -y software-properties-common gnupg apt-transport-https ca-certificates

sudo apt install -y mongodb

wget -qO - https://www.mongodb.org/static/pgp/server-5.0.asc | sudo apt-key add -

echo "deb [ arch=amd64,arm64 ] https://repo.mongodb.org/apt/ubuntu focal/mongodb-org/5.0 multiverse" | sudo tee /etc/apt/sources.list.d/mongodb-org-5.0.list

sudo apt update

sudo apt install -y mongodb-org

mongod --version

**START**

sudo systemctl status mongod

sudo systemctl start mongod

sudo systemctl status mongod

mongo --eval 'db.runCommand({ connectionStatus: 1 })'

sudo ss -pnltu | grep 27017

sudo systemctl enable mongod

mongosh