

NAME : SWETHA K
ROLL NO :23522914
LABSHEET 12

Question 1 :

Insert the given by using db.product.insertOne()

Question 2:

Insert the given by using db.details.insertOne()

Question 3:

db.product.find({})

{"_id": "p01", "type": "audio album", "title": "bergmans volume15",
"description": "by fr bergman

s", "release_date" : "2020-02-15", "shipping" : "weights": 6, "dimensions":
{ "width": 10, "height": 10, "depth": 1 } }, "pricing": {"list": 1200, "retail" : 1108,
"savings" : 100, "percentage_savings": 8), "details" : { "title": "jeba thotta jeya
geethangal", "artist" : "fr bergmans", "genre : ["folk", "spiritual"], "tracks" : [
"song1", "song2", "song3", "song4" 1]} {"_id": "p82", "type": "movie", "title":
"master", "description": "movie by actor vijay", "release_date": "2020-03-14",
"shipping" : { "weight": 10, "dimensions": { "width": 28, "height": 10, "d
epth": 2}}, "pricing" : { "list": 15000, "retail" : 14000, "savings": 500,
"percentage_savings": 12 }, "details": { "title": "master", "director" : ["rex",
"peter"], "writer": ["sam", "jones" 1, "length": "3 hours" } }

Question 4:

db.product.find({"pricing.percentage_savings": { \$gt: 10 }}).sort({
"pricing.percentage_savings": -1})

```
{ "_id" : "p02", "type": "movie", "title": "master", "description": "movie by actor vijay", "release_date" : "2020-03-14", "shipping" : { "weight": 10, "dimensions" : { "width": 20, "height": 10, "depth": 2 } }, "pricing": { "list": 15000, "retail": 14000, "savings": 500, "percentage_savings" : 12 }, "details" : { "title": "master", "director" : [ "rex", "peter" ], "writer": [ "sam", "jones" ], "length" : "3 hours" } }
```

Question 5:

```
db.product.find({ "type": "audio album", "details.genre": "folk" }).sort({ "release_date": -1 })
```

```
{ "_id" : "p01", "type": "audio album", "title": "bergmans volume15", "description": "by fr bergmans", "release_date" : "2020-02-15", "shipping" : { "weights": 6, "dimensions" : { "width": 10, "height": 10, "depth": 1 } }, "pricing": { "list": 1200, "retail": 1100, "savings" : 100, "percentage_savings" : 8 }, "details" : { "title": "jeba thotta jeya geethangal", "artist" : "fr bergmans", "genre": [ "folk", "spiritual" ], "tracks": [ "song1", "song2", "song3", "song4" ] } }
```

Question 6 :

```
db.product.find({ "type": "movie", "description": /actor vijay/i }).sort({ "release_date": 1 })
```

```
{ "_id": "pe2", "type": "movie", "title": "master", "description": "movie by actor vijay", "release_date": "2020-03-14", "shipping" : { "weight": 10, "dimensions": { "width": 20, "height": 10, "depth": 2 } }, "pricing": { "list": 15000, "retail": 14000, "savings": 500, "percentage_savings" : 12 }, "details": { "title": "master", "director": [ "rex", "peter" ], "writer": [ "sam", "jones" ], "length": "3 hours" } }
```

Question 7 :

```
db.product.find({ "type": "movie", "title": { $regex: /master/i } })
```

```
{ "_id": "p82", "type": "movie", "title": "master", "description": "movie by actor vijay", "release_date" : "2020-03-14", "shipping" : { "weight": 10, "dimensions": { "width": 20, "height": 10, "depth": 2 } }, "pricing" : { "list": 15000, "retail" : 14000, "savings": 500, "percentage_savings" : 12 }, "details" : { "title": "master", "director" : [ "rex", "peter" ], "writer": [ "sam", "jones" ], "length" : "3 hours" } }
```

