

Tuesday Assignment

22BLC1194

- Price should be greater than either 799 or ram is greater than 12

```
db.products1.find({$or: [{ price: { $gt: 799 } }, { "spec.ram": { $gt: 12 } } ]})
```

- Find products that do not have "white" as a color and are priced below 800

```
db.products1.find({color: { $nin: ["white"] }, price: { $lt: 800 } })
```

- select products with either blue colour and storage not less than 128

```
db.products1.find({color: "blue", "storage": { $gte: 128 } })
```

- print the name and date of product whose ram is neither 4 nor the product price is

```
db.products1.find({$and: [{ "spec.ram": { $ne: 4 } }, { price: { $gte: 799 } } ]}, { name: 1, releaseDate: 1 })
```

- print the names of products whose screen is either greater than 7 or color is white

```
db.products1.find({$or: [{ "spec.screen": { $gt: 7 } }, { color: "white" } ]}, { name: 1 })
```

- print the name , screen size and color of products whose color has no gold in it.

```
db.products1.find({ color: { $nin: ["gold"] } }, { name: 1, "spec.screen": 1, color: 1 })
```

- Find products that have either "white" or "black" as a color option and are priced below 800.

```
db.product1.find({$or: [{ color: "white" }, { color: "black" } ], price: { $lt: 800 } })
```

- Find products that do not have "gold" as a color and are priced below 700 or have a storage option of 512GB.

```
db.products1.find({$and: [{ color: { $nin: ["gold"] } }, { $or: [{ price: { $lt: 700 } }, { storage: { $in: [512] } } ] } ]})
```

- Find products that have both a RAM size greater than 8GB and a CPU speed less than 2 GHz, or do not have a storage option of 256GB.

```
db.products.find({$or: [{ $and: [{ "spec.ram": { $gt: 8 } }, { "spec.cpu": { $lt: 2 } } ] }, { storage: { $nin: [256] } } ]})
```

- find name,price,storage if price is 699 or storage is 1024

```
db.products1.find({$or: [{price: 699},{storage: 1024}]},{name: 1,price: 1,storage: 1 })
```

- Find the product cpu is not less than 3 ,not isodate is ("2011-09-01")

```
db.products1.find({$and: [{ 'spec.cpu': { $not: { $lt: 3 } } }, { releaseDate: { $not: { $eq: ISODate("2011-09-01") } } } ]})
```

- Find the product no color is blue,no price is 899

```
db.products1.find({$nor: [{color: "blue"},{price: 899}]})
```