Examen TP

jeudi 5 décembre 2024 9:18 AM

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```
> db.laptops.insertOne({"_id":30,"nom":"Macbook Pro","fabriquant":"Apple","prix":6500,"options":["Intel Core i5","Retina Display","Long life b
< {
    acknowledged: true,
    insertedId: 30
}</pre>
```

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```
db.laptops.findOne()

{
    _id: ObjectId('675162b2f9f75d24eda5923d'),
    id: 1,
    nom: 'Laptop 1',
    fabriquant: 'Lenovo',
    prix: 1600,
    ultrabook: false,
    options: [
        'Intel Core i5',
        'Standard Display',
        'HDD',
        'Long life battery'
    ]
}
```

```
> db.laptops.findOne({ nom: "Laptop 10" }, { _id: 1 });
< {
    _id: ObjectId('675162b2f9f75d24eda59246')
}</pre>
```

```
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```

```
db.laptops.find({ prix: { $gte: 2000 } });

{
    _id: ObjectId('675162b2f9f75d24eda59240'),
    id: 4,
    nom: 'Laptop 4',
    fabriquant: 'Apple',
    prix: 2100,
    ultrabook: true,
    options: [
        'Intel Core i7',
        'Retina Display',
        'HDD',
        'Long life battery'
    ]

}

{
    _id: ObjectId('675162b2f9f75d24eda59242'),
    id: 6,
    nom: 'Laptop 6',
    fabriquant: 'Apple',
    prix: 3000,
    ultrabook: true,
    options: [
        'Intel Core i7',
        'Retina Display',
        'SSD',
        'Long life battery'
    ]
```

```
> db.laptops.find({ ultrabook: true }).limit(3);

( {
    _id: ObjectId('675162b2f9f75d24eda5923e'),
    id: 2,
    nom: 'Laptop 2',
    fabriquant: 'Apple',
    prix: 1200,
    ultrabook: true,
    options: [
        'Intel Core i7',
        'Retina Display',
        'HDD',
        'Long life battery'
    ]

}

{
    _id: ObjectId('675162b2f9f75d24eda59240'),
    id: 4,
    nom: 'Laptop 4',
    fabriquant: 'Apple',
    prix: 2100,
    ultrabook: true,
    options: [
        'Intel Core i7',
        'Retina Display',
        'HDD',
        'Long life battery'
    ]
}
```

```
db.laptops.find().sort({ prix: 1 });

{
    _id: ObjectId('675162b2f9f75d24eda5923e'),
    id: 2,
    nom: 'Laptop 2',
    fabriquant: 'Apple',
    prix: 1200,
    ultrabook: true,
    options: [
        'Intel Core i7',
        'Retina Display',
        'HDD',
        'Long life battery'
    ]
}

{
    _id: ObjectId('675162b2f9f75d24eda5923f'),
    id: 3,
    nom: 'Laptop 3',
    fabriquant: 'Lenovo',
    prix: 1500,
    ultrabook: false,
    options: [
        'Intel Core i5',
        'Standard Display',
        'SSD',
        'Long life battery'
    ]
}
```

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```
> db.laptops.countDocuments({ prix: { $gte: 1500, $lte: 2500 } });
< 13</pre>
```