1. 1.Find all the information about each products

```
db.Task1.find({})
```

```
Task1> db.Task1.find({})
[
  {
    _id: ObjectId("6433d29e7bb9424ba2032613"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032614"),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032615"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032616"),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032617"),
    id: '5',
    product_name: 'Sleek Cotton Chair',
    product_price: 33,
    product_material: 'Fresh',
```

2.Find the product price which are between 400 to 800

```
db.Task1.find({product_price:{$gt:400,$lt:800}})
```

```
Task1>  db.Task1.find({product_price:{$gt:400,$lt:800}})
[
  {
    _id: ObjectId("6433d29e7bb9424ba2032613"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032615"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032616"),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032618"),
    id: '6',
    product_name: 'Awesome Wooden Towels',
    product_price: 474,
    product_material: 'Plastic',
    product_color: 'orange'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032619"),
    id: '7',
    product_name: 'Practical Soft Shoes',
```

3. 3.Find the product price which are not between 400 to 600

```
db.Task1.find({product_price:{$not:{$gt:400,$lt:600}}})
```

```
Task1>  db.Task1.find({product_price:{$not:{$gt:400,$lt:600}}
[
  {
    _id: ObjectId("6433d29e7bb9424ba2032613"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032614"),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032615"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032617"),
    id: '5',
    product_name: 'Sleek Cotton Chair',
    product_price: 33,
    product_material: 'Fresh',
    product_color: 'black'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba203261a"),
    id: '8',
    product_name: 'Incredible Steel Hat',
    product_price: 78,
```

4.List the four product which are grater than 500 in price

```
db.Task1.find({product_price:{$gt:500}}).limit(4)
```

```
Task1> db.Task1.find({product_price:{$gt:500}}).limit(4)
[
  {
    _id: ObjectId("6433d29e7bb9424ba2032613"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032614"),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032615"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  }
]
```

5. Find the product name and product material of each products

```
db.Task1.find({},{_id:0,product_name:1,product_material:1})
```

```
Task1>   db.Task1.find({},{_id:0,product_name:1,product_material:1})
[
  {
    product_name: 'Intelligent Fresh Chips',
    product_material: 'Concrete'
  },
  {
    product_name: 'Practical Fresh Sausages',
    product_material: 'Cotton'
  },
  { product_name: 'Refined Steel Car', product_material: 'Rubber' },
  { product_name: 'Gorgeous Plastic Pants', product_material: 'Soft' },
  { product_name: 'Sleek Cotton Chair', product_material: 'Fresh' },
  {
    product_name: 'Awesome Wooden Towels',
    product_material: 'Plastic'
  },
  { product_name: 'Practical Soft Shoes', product_material: 'Rubber' },
  { product_name: 'Incredible Steel Hat', product_material: 'Rubber' },
  { product_name: 'Awesome Wooden Ball', product_material: 'Soft' },
  { product_name: 'Generic Wooden Pizza', product_material: 'Frozen' },
  { product_name: 'Unbranded Wooden Cheese', product_material: 'Soft' },
  {
    product_name: 'Unbranded Plastic Salad',
    product_material: 'Wooden'
  },
  {
    product_name: 'Gorgeous Cotton Keyboard',
    product_material: 'Concrete'
  },
  { product_name: 'Incredible Steel Shirt', product_material: 'Metal' },
  { product_name: 'Ergonomic Cotton Hat', product_material: 'Rubber' },
  { product_name: 'Small Soft Chair', product_material: 'Cotton' },
  { product_name: 'Incredible Metal Car', product_material: 'Fresh' },
  { product_name: 'Licensed Plastic Bacon', product_material: 'Steel' },
  {
```

6. Find the product with a row id of 10

```
db.Task1.find({'id':'10'})
```

```
Task1> db.Task1.find({'id':'10'})
[
  {
    _id: ObjectId("6433d29e7bb9424ba203261c"),
    id: '10',
    product_name: 'Generic Wooden Pizza',
    product_price: 84,
    product_material: 'Frozen',
    product_color: 'indigo'
  }
]
```

7. Find only the product name and product material

```
db.Task1.find({ id: '10' }, { _id: 0, product_name: 1, product_material: 1 })
```

```
Task1> db.Task1.find({ id: '10' }, { _id: 0, product_name: 1, product_material: 1 })
[
  { product_name: 'Generic Wooden Pizza', product_material: 'Frozen' }
]
```

8. Find all products which contain the value of soft in product material

```
db.Task1.find({product_material:'Soft'})
```

```
Task1> db.Task1.find({product_material:'Soft'})
[
  {
    _id: ObjectId("6433d29e7bb9424ba2032616"),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba203261b"),
    id: '9',
    product_name: 'Awesome Wooden Ball',
    product_price: 28,
    product_material: 'Soft',
    product_color: 'azure'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba203261d"),
    id: '11',
    product_name: 'Unbranded Wooden Cheese',
    product_price: 26,
    product_material: 'Soft',
    product_color: 'black'
  },
  {
    _id: ObjectId("6433d29e7bb9424ba2032625"),
    id: '19',
    product_name: 'Intelligent Cotton Chips',
    product_price: 46,
    product_material: 'Soft',
    product_color: 'azure'
  }
]
Task1>
```

9. Find products which contain product color indigo and product price 492.00

```
db.Task1.find({ product_color: 'indigo', product_price: 492 })
```

10. Delete the products which product price value are same

```
db.Task1.aggregate([
 {$group: {
   _id: "$product_price",
   duplicates: {$addToSet: "$_id"},
   count: {$sum: 1}
   }
 },
 {$match: {
   count: {"$gt": 1}
   }
 }
]).forEach(function(doc) {
 db.Task1.remove({id: {$in: doc.duplicates}})
})
```