```
db.Weather.aggregate(
[
```

```
{
$group:
{
    _id:"$waveMeasurement.seaState.code",
    common_code:{$count:{}}
}}
,{$sort:{common_code:-1}},{$limit:1}]);
```

```
db.Weather.aggregate([
       $match:{
            $and:[{"airTemperature.value":{$gt:25}},{"visibility.distance.value":{$gt:1000}}]}
       $project:{_id:1,type:1}
]).toArray()
  { _id: ObjectId("5553a998e4b02cf7151190c4"), type: 'FM-13' },
 { _id: ObjectId("5553a998e4b02cf7151190cb"), type: 'FM-13' },
 { _id: ObjectId("5553a998e4b02cf7151190cc"), type: 'FM-13' },
 { _id: ObjectId("5553a998e4b02cf7151190cf"), type: 'FM-13' },
 { _id: ObjectId("5553a998e4b02cf7151190d5"), type: 'FM-13' },
 { _id: ObjectId("5553a998e4b02cf7151190d8"), type: 'FM-13' },
 { _id: ObjectId("5553a998e4b02cf7151190d9"), type: 'FM-13' },
 { _id: ObjectId("5553a998e4b02cf7151190dc"), type: 'FM-13' },
 { _id: ObjectId("5553a998e4b02cf7151190df"), type: 'FM-13' },
 { _id: ObjectId("5553a998e4b02cf7151190e5"), type: 'FM-13' },
 { _id: ObjectId("5553a998e4b02cf7151190e6"), type: 'FM-13' },
  { _id: ObjectId("5553a998e4b02cf7151190e7"), type: 'FM-13' },
```

Qn:10:

```
> db.Weather.aggregate([{
     $match:{"airTemperature.quality":"1", "dewPoint.quality":"1"}},{$project:{ id:1,type:1}
   { _id: ObjectId("5553a998e4b02cf7151190ba"), type: 'FM-13' },
      _id: ObjectId("5553a998e4b02cf7151190be"), type: 'FM-13' },
   { _id: ObjectId("5553a998e4b02cf7151190c1"), type: 'FM-13' },
   { _id: ObjectId("5553a998e4b02cf7151190c2"), type: 'FM-13' },
   { _id: ObjectId("5553a998e4b02cf7151190c6"), type: 'FM-13' },
   { _id: ObjectId("5553a998e4b02cf7151190c7"), type: 'FM-13' },
   { _id: ObjectId("5553a998e4b02cf7151190c9"), type: 'FM-13' },
   { _id: ObjectId("5553a998e4b02cf7151190cf"), type: 'FM-13' },
     { _id: ObjectId("5553a998e4b02cf7151190da"), type: 'FM-13' },
   { _id: ObjectId("5553a998e4b02cf7151190dd"), type: 'FM-13' },
   { _id: ObjectId("5553a998e4b02cf7151190e0"), type: 'FM-13' },
   { _id: ObjectId("5553a998e4b02cf7151190e1"), type: 'FM-13' },
   { _id: ObjectId("5553a998e4b02cf7151190e2"), type: 'FM-13' },
```

```
> db.Weather.aggregate([{$unwind:"$sections"},
     {$group:{ id:{distinctSections:"$sections"}}}
 ]).toArray()
   { _id: { distinctSections: 'UG1' } },
   { _id: { distinctSections: 'SA1' } },
   { _id: { distinctSections: 'WD1' } },
   { _id: { distinctSections: 'MW1' } },
   { _id: { distinctSections: 'UG2' } },
   { _id: { distinctSections: 'GF1' } },
   { _id: { distinctSections: 'AG1' } },
   { _id: { distinctSections: 'GA3' } },
   { _id: { distinctSections: 'MD1' } },
   { _id: { distinctSections: 'WA1' } },
   { _id: { distinctSections: 'GA1' } },
   { _id: { distinctSections: 'AA1' } },
   { _id: { distinctSections: 'UA1' } },
```

db.Weather.aggregate([{\$group:{_id:{st:"\$st",Datasource:"\$dataSource"}}}]).to
Array();

```
> db.Weather.aggregate([
   {$match:{"airTemperature.quality":"1"}},{$group:{_id:"$ts"}}
 ]).toArray()
   { _id: 1984-03-06T13:00:00.000Z },
   { _id: 1984-03-05T14:00:00.000Z },
   { _id: 1984-03-07T14:00:00.000Z },
   { _id: 1984-03-07T11:00:00.000Z },
   { _id: 1984-03-09T14:00:00.000Z },
   { _id: 1984-03-13T06:00:00.000Z },
   { _id: 1984-03-05T23:00:00.000Z },
   { _id: 1984-03-11T23:00:00.000Z },
   { _id: 1984-03-10T15:00:00.000Z },
   { _id: 1984-03-13T12:00:00.000Z },
   { _id: 1984-03-11T22:00:00.000Z },
   { _id: 1984-03-12T16:00:00.000Z },
   { _id: 1984-03-10T05:00:00.000Z },
   { _id: 1984-03-13T10:00:00.000Z },
   { _id: 1984-03-05T13:00:00.000Z },
   { _id: 1984-03-06T07:00:00.000Z },
```

```
> db.Weather.aggregate([
     {\sqroup:{_id:{value:"\sairTemperature.value",Quality:"\sairTemperature.quality"}}}
 ]).toArray()
   { _id: { value: 27, Quality: '1' } },
   { _id: { value: -2.3, Quality: '1' } },
   { _id: { value: -26.7, Quality: '1' } },
   { _id: { value: 13.1, Quality: '1' } },
   { _id: { value: 30.2, Quality: '1' } },
   { _id: { value: 3.2, Quality: '1' } },
   { _id: { value: -3.9, Quality: '1' } },
   { _id: { value: 11.5, Quality: '1' } },
   { _id: { value: -9.4, Quality: '1' } },
   { _id: { value: 24.7, Quality: '1' } },
   { _id: { value: 23.5, Quality: '1' } },
   { _id: { value: 4.3, Quality: '1' } },
   { _id: { value: -4.2, Quality: '1' } },
   { _id: { value: -4.1, Quality: '1' } },
   { _id: { value: 28.4, Quality: '1' } },
   { _id: { value: 6.9, Quality: '1' } },
```