

Travaux Dirigés n°1 : Solution

```
db.publis.find({"type" : "Book"});
```

```
db.publis.find({year : {$gte : 2011}});
```

```
db.publis.find({"type" : "Book", year : {$gte : 2014}});
```

```
db.publis.find({authors : "Toru Ishida"});
```

```
db.publis.distinct("publisher");
```

```
db.publis.distinct("authors");
```

```
db.publis.aggregate([{$match:{authors : "Toru Ishida"}}, {$sort : { booktitle : 1, "pages.start" :  
1 } }]);
```

```
db.publis.aggregate([{$match:{authors : "Toru Ishida"}}, {$sort : { booktitle : 1, "pages.start" :  
1 }}, {$project : {title : 1, pages : 1}}]);
```

```
db.publis.aggregate([{$match:{authors : "Toru Ishida"}}, {$group: {_id:null, total : { $sum :  
1 }}}]);
```

```
db.publis.aggregate([{$match:{year : {$gte : 2011}}}, {$group: {_id:"$type", total : { $sum : 1 }}}]);
```

```
db.publis.aggregate([{$unwind : "$authors" }, {$group : { _id : "$authors", number : { $sum :  
1 } }}, {$sort : {number : -1}} ] );
```