



A screenshot of a browser's developer tools element inspector. The left pane shows the DOM tree with nodes like <todo-form>, <todo-list ref="list">, and <ul ref="todos" class="list-group">. The right pane shows the CSS properties for a list item, including inheritance from ul.list, styles for ul, li, and the specific item, and vendor-specific properties for list-item. A small icon of a keyboard is visible at the bottom left.

Proyecto BD

Código 1

```
/*
Imprime el titulo de las peliculas en cada bukcket dividido por año
*/
var consul1 = db.movies_metadata.aggregate([
  {
    "$bucketAuto": {
      "groupBy": "$release_date",
      "buckets": 10,
      "output": {
        "count": { $sum: 1 },
        "titles": { $push: "$title" }
      }
    }
  },
  {
    $limit:100
  }
],{})

consul1.forEach(function(doc){print(doc)})
```

Código 2

```
/*
imprime los titulos de las peliculas divididos por bucket dependiendo del runtime
*/
var consul2 = db.movies_metadata.aggregate([
    {
        "$bucket": {
            "groupBy": "$runtime",
            "boundaries": [45, 100, 150, 200],
            default: "null",
            "output": {
                "count": { $sum: 1 },
                "titles": { $push: "$title" }
            }
        }
    }
])
consul2.forEach(function(doc){print(doc)})
```

Código 3

```
/*
acomoda de mayor a menor calificacion las peliculas
*/
var consul3=db.movies_metadata.aggregate(
[
{$group:
{_id:{ 
nombre:"$original_title",
votacion: "$vote_average"}, 
}},
{$sort: {'_id':-1} },
])
consul3.forEach(function(doc){print(doc)})
```

```
/*
imprime la pelicula con mayor popularidad
*/
var consul4=db.movies_metadata.aggregate(
[
{$group:
{_id:{nombre:"$nombre"},
```

```

                maxPeli:{$max:'$popularity'}
            }
        ]
    )
}

consul4.forEach(function(doc){print(doc)})

```

```

/*
multiplica por 10 la popularidad de todas las peliculas para mostrarlas en porcentaje
*/
var consul5=db.movies_metadata.aggregate([
{$project:
{
_id:0,
'pelicula': {$toUpper: "$original_title"},
'detalles': {
'popularidad': {"$multiply": ["$popularity", 10]}}
},
'movie':'$original_title'
}
])
consul5.forEach(function(doc){print(doc)})

```

```

/*
imprime los creditos de las peliculas que duran mas de 100 mintuos
*/
var consul6=db.movies_metadata.aggregate([
{
    $lookup:{
        from:"credits",
        localField:"movieId",
        foreignField: "id",
        as: "credits"
    },
    {$match:{runtime:{$gte: 100}}},
    {$project:{_id:0, "credits.id":0, "credits_id":0}},
    {$limit:100
}
}])
consul6.forEach(function(doc){print(doc)})

```

```

/*
imprime las peliculas con mayor calificaciona 8 y mas de 500 votos acomodadas de mayor a
menor
*/
var consul7=db.movies_metadata.aggregate([
{
    $match:[
        $and:[{vote_average:{$gte:8}}, {vote_count:{$gte:500}}]
    ]
},{{
    $lookup:{
        from:"links_small",
        localField:"movieId",
        foreignField: "imdbId",
        as: "links"
    }
},{{
        $project:{_id:0, 'Links_id':0,'Links_movieId':0}
},{{
        $sort:{vote_average:1, vote_count: 1}

},{{
        $limit:100
    }
}}
])
consul7.forEach(function(doc){print(doc)})

```

```

/*
imprime las peliculas que el idioma original es español
*/
var consul8=db.movies_metadata.aggregate([
{
    $match:{original_language:"es"}},
    {$project:{title:1}},
    {$addFields:{
        Profits:{$subtract:["$revenue", "$budget"]}}
},{
    $limit:100
}
])
consul8.forEach(function(doc){print(doc)})

```

```

/*
agrupa por promedios de ratings en 5 buckets
*/
var consul9=db.ratings.aggregate([
{

```

```

    "$group":  

    {  

        "_id": "$movieId",  

        "Average": {"$avg": "$rating"}  

    }  

},  

{  

    "$sort": {  

        "Average": 1  

    }  

},  

{  

    "$bucketAuto":  

    {  

        "groupBy": "$Average",  

        "buckets": 5  

    }  

}  

])  

consul9.forEach(function(doc){print(doc)})

```

```

/*
imprime todas las peliculas que tengan como genero drama
*/
var consul10=db.movies_metadata.aggregate([
{
    $addFields:{  

        results:{  

            $regexMatch:{input: "$genres", regex: /Drama/, options:"i"}}
    }
}, {  

    $match:{results:{$eq: true}}  

}, {  

    $project:{_id:0, "original_title":1, "release_date":1, "movieId":1}  

}, {  

    $sort:{  

        release_date:1,
    }
})
consul10.forEach(function(doc){print(doc)})

```