

1) write a program to create the following json

<https://jsonplaceholder.typicode.com/todos>

Expected output :

```
[ {  "userId": 1,
    "completed": [
      {
        "userId": 1,
        "id": 4,
        "title": "et porro tempora",
        "complete": true
      }
    ],
    "incomplete": [
      {
        "userId": 1,
        "id": 1,
        "title": "delectus aut autem",
        "completed": false
      }
    ]
  },
  {
    "userId": 2,
    "completed": [
      {
        "userId": 2,
        "id": 4,
        "title": "et porro tempora",
        "complete": true
      }
    ],
    "incomplete": [
      {
        "userId": 2,
        "id": 3,
        "title": "delectus aut autem",
        "completed": false
      }
    ]
  }
  ... and so on]
```

Solution :

```
var postList = [];
var count = 0;
var finalArray = [];
fetch('https://jsonplaceholder.typicode.com/todos').then(response =>
response.json())
    .then(json => {
        postList = json;
        uniqPostList()
    })

function uniqPostList() {

    postList.forEach((post, index) => {
        var completed = [], incomplete = [];
        if (finalArray.filter(person => person.userId ===
post.userId).length === 0) {
            postList.filter((element) => element.userId == post.userId &&
element.completed == true ? completed.push(element) :
                element.userId == post.userId && element.completed == false
? incomplete.push(element) : null)
            finalArray.push({ 'userId': post.userId, 'completed': completed,
'incomplete': incomplete });
        }
    })

    console.log('finalArray with userId and Completed and Incomplete state
: ');
    console.log(finalArray);
}
```

2) write a javascript program to create the following json

<http://jsonplaceholder.typicode.com/photos>

Expected output:

```
[
{
  "albumId": 1,
  "Photos": [
    {
      "id": 1,
      "title": "accusamus beatae ad facilis cum similique qui sunt",
      "url": "https://via.placeholder.com/600/92c952",
      "thumbnailUrl": "https://via.placeholder.com/150/92c952" } .. and so on ]
```

Solution :

```
var postList = [];  
  
var finalArray = [];  
fetch('https://jsonplaceholder.typicode.com/photos').then(response =>  
  response.json()  
    .then(json => {  
      postList = json;  
      uniqPostList()  
    })  
  
function uniqPostList() {  
  
  postList.forEach((post, index) => {  
    temp = [];  
    if (finalArray.filter(person => person.albumId ===  
post.albumId).length === 0) {  
  
      postList.filter((element) => element.albumId == post.albumId ?  
temp.push({ 'id': element.id, 'title': element.title, 'url': element.url,  
'thumbnailUrl': element.thumbnailUrl }) : null)  
      finalArray.push({ 'albumId': post.albumId, 'post': temp });  
  
    }  
  })  
  
  console.log('finalArray with albumId and photos : ');  
  console.log(finalArray);  
  
}
```