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Subject: Count duplicate elements in an array but keep their order!

Posted by [Steve Daal](#) on Fri, 30 Aug 2013 23:23:09 GMT

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Hi,

I have a long array that looks like:

```
a =  
-120.09796  
-120.09796  
-108.18972  
-108.18972  
-108.18972  
-121.98  
-95.23  
-95.23  
-95.23  
-95.23  
-95.23  
-95.23  
-95.23  
-95.23  
-95.23  
-95.23  
-95.23  
-95.23  
-95.03  
-95.03  
-95.03  
-95.03  
-71.303756  
-122.39084  
-122.39084  
-122.39084  
-122.24503]
```

with many more elements inside. I need to create two new arrays with the consecutive counts corresponding to the values of the first array after removing the duplicates, for instance, the above array would give me:

```
a_new = [-120.09796, -108.18972, -121.98, -95.23, -71.303756, -122.24503]
```

and

```
b_new = [2, 3, 1, 13, 1, 4]
```

where, elements "-120.09796" existed twice in the original array and so forth.

Any help is much appreciated.

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