



Library functions



1. Write the name of the function that may replace the following call chain

```
people.filter { it.age < 21 }.size
```





1. Write the name of the function that may replace the following call chain

count

`people.filter { it.age < 21 }.size`



`people.count { it.age < 21 }`



2. Write the name of the function that may replace the following call chain

```
people.sortedBy { it.age }.reversed()
```





2. Write the name of the function that may replace the following call chain

`sortedByDescending`

`people.sortedBy { it.age }.reversed()`



`people.sortedByDescending { it.age }`



3. Write the name of the function that may replace the following call chain

```
people
  .map { person ->
    person.takeIf { it.isPublicProfile }?.name
  }
  .filterNotNull()
```






3. Write the name of the function that may replace the following call chain

`mapNotNull`

```
people
  .map { person ->
    person.takeIf { it.isPublicProfile }?.name
  }
  .filterNotNull()
```



```
people.mapNotNull { person ->
  person.takeIf { it.isPublicProfile }?.name
}
```



4. Write the name of the function that may help to simplify the following code

```
val map = mutableMapOf<Int, MutableList<Person>>()  
for (person in people) {  
    if (person.age !in map) {  
        map[person.age] = mutableListOf()  
    }  
    map.getValue(person.age) += person  
}
```





4. Write the name of the function that may help to simplify the following code

```
val map = mutableMapOf<Int, MutableList<Person>>()  
for (person in people) {  
    if (person.age !in map) {  
        map[person.age] = mutableListOf()  
    }  
    map.getValue(person.age) += person  
}
```



getOrPut

```
val group = map.getOrPut(person.age) { mutableListOf() }  
group += person
```



5. Write the name of the function that may help to simplify the following code

```
val map = mutableMapOf<Int, MutableList<Person>>()  
for (person in people) {  
    if (person.age !in map) {  
        map[person.age] = mutableListOf()  
    }  
    map.getValue(person.age) += person  
}
```





5. Write the name of the function that may help to simplify the following code

```
val map = mutableMapOf<Int, MutableList<Person>>()  
for (person in people) {  
    if (person.age !in map) {  
        map[person.age] = mutableListOf()  
    }  
    map.getValue(person.age) += person  
}
```



groupBy

```
people.groupBy { it.age }
```