

Joins and Aggregates

Problem Description - Compute the top 3 performing News Types



News Type	Total Clicks
Sports	3
Politics	2
Local News	4
Health	1
World News	5
Lifestyle	2
Business	7
Education	11



Preparing for Sorting

Кеу	Value
Sports	3
Politics	2
Local News	4
Health	1
World News	5
Lifestyle	2
Business	7
Education	11

Кеу	Value
ABC	<pre>{"NewsType": "Sports", "Clicks": 3}</pre>
ABC	{"NewsType": "Politics", "Clicks": 2}
ABC	{"NewsType": "LocalNews", "Clicks": 4}
ABC	{"NewsType": "Health", "Clicks": 1}
ABC	{"NewsType": "WorldNews", "Clicks": 5}
ABC	{"NewsType": "Lifestyle", "Clicks": 2}
ABC	{"NewsType": "Business", "Clicks": 7}
ABC	{"NewsType": "Education", "Clicks": 11}



Sorting and Top3

```
Top 3 Sorted News Types

{"NewsType": "Politics", "Clicks": 2}

{"NewsType": "WorldNews", "Clicks": 2}

{"NewsType": "LocalNews", "Clicks": 1}
```

void add(ClicksByNewsType newValue)
void remove(ClicksByNewsType oldValue)

