

Comparable Interface

Comparable interface

Concept

```
public interface Comparable<T>
```

This interface imposes a total ordering on the objects of each class that implements it. This ordering is referred to as the class's *natural ordering*, and the class's `compareTo` method is referred to as its *natural comparison method*.



```
public interface Comparable<T> {  
    public int compareTo(T o);  
}
```



```
public static void main(String[] args){  
    Article article1 = new Article("5/5-2021");  
    Article article2 = new Article("10/5-2021");  
  
    article1.compareTo(article2);  
}
```



```
public static void main(String[] args){  
    Article article1 = new Article("5/5-2021");  
    Article article2 = new Article("10/5-2021");  
  
    article1.compareTo(article2);  
}
```

This

Other



-

0

+

Other is bigger

Equal

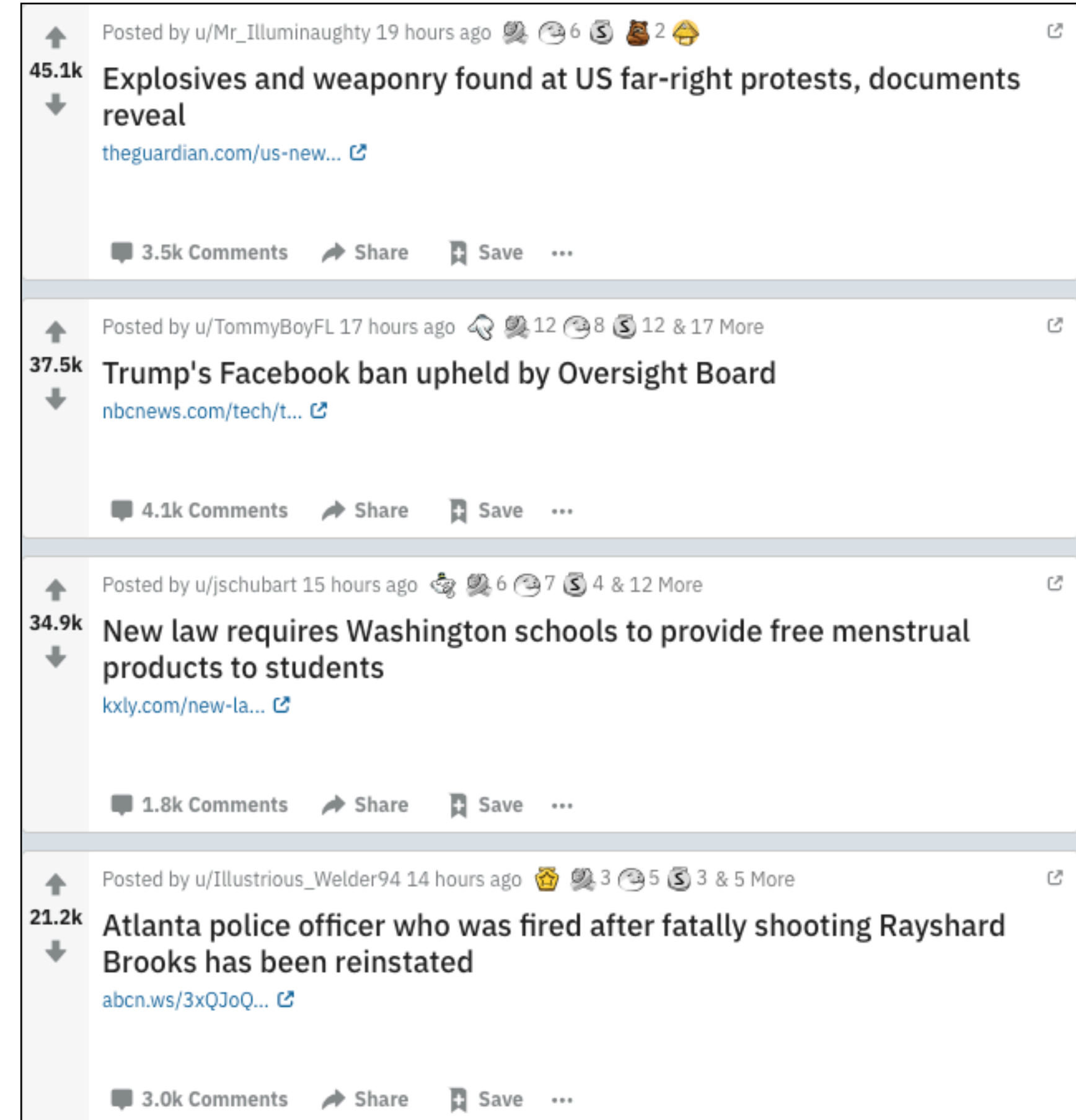
This is bigger

“A non programming analogy for an interface is a professional certification. It’s possible for a person to become certified as a teacher, nurse, accountant, or doctor. To do this, the person must demonstrate certain abilities required of members of those professions”

Code example

Comparable exercise: RedditPost

- Create a class called Reddit with a score and a title
- Implement the compareTo interface
- Create some reddit posts, add them to an array list and sort them



Exercises: Comparable