

【DS】 Day5

☰ Tags	
📅 Date	@May 26, 2022
☰ Summary	Iterators

【Week2】 Iterators

Design Challenge: Support iteration over stack items by client, without revealing the internal representation of the stack.

Iterable Interface:

```
public interface Iterable<Item> {  
    Iterator<Item> iterator();  
    boolean hasNext();  
    Item next();  
    void remove();  
}
```

If the client wants to iterate through the container:

```
Iterator<String> itr = stack.iterator();  
  
while (itr.hasNext()) {  
    String str = itr.next();  
    StdOut.println(str);  
}
```