

# Assignment

```
public interface Collection {  
    boolean isEmpty();  
  
    int getSize();  
  
    boolean contains(String string);  
  
    String[] getValues();  
}  
  
public interface Stack extends Collection {  
    void push(String string);  
  
    String pop();  
  
    String top();  
}
```

```
public interface List extends Collection {  
    void add(String string);  
  
    String get(int index);  
  
    void insertAt(int index, String string);  
  
    void remove(int index);  
  
    int indexOf(String string);  
}
```

*Implement the Stack and List interfaces.*

*Use exceptions to report wrong usages  
e. g. illegal indexes, empty stack, etc.*

