

模版·队列的实现

```
public class Queue<E>{

    private ArrayList<E> elements;

    public Queue(){
        elements=new ArrayList<>();
    }

    public boolean isEmpty(){
        return elements.isEmpty();
    }

    public void enqueue(E element){
        elements.add(element);
    }

    public E dequeue(){
        if(isEmpty()){
            throw new EmptyQueueException();
        }
        return elements.remove(0);
    }

    public E peek(){
        if(isEmpty()){
            throw new EmptyQueueException();
        }
        return elements.get(0);
    }
}
```

```
public static class EmptyQueueException extends RuntimeException{  
    }  
}
```