

```
class Container<T> {
```

```
    private T t;
```

```
    public void set(T t) {  
        this.t = t;  
    }
```

```
    public T get() {  
        return t;  
    }
```

```
}
```

```
class Tester {
```

```
    public static void main(String[] args) {
```

```
        Container<Integer> integerContainer = new Container<>();
```

```
        integerContainer.set(1);
```

```
        //integerContainer.set("Jeo");    //Uncomment the code and check if String can be passed to  
        the set() method
```

```
        System.out.println("Inside Integer Container : "+integerContainer.get());
```

```
        Container<String> stringContainer = new Container<>();
```

```
        //stringContainer.set(1);    //Uncomment the code and check if Integer can be passed to the  
        set() method
```

```
        stringContainer.set("Jeo");
```

```
        System.out.println("Inside String Container : "+stringContainer.get());
```

```
    }
```

```
}
```

Output:

Queue created.

The element is enqueued to the queue!

The element is enqueued to the queue!

The element is enqueued to the queue!

The element is enqueued to the queue!

The element is enqueued to the queue!

Displaying queue elements

Joe

Jack

Eva

Mia

Luke

Queue is full!

The element dequeued is : Joe

The element dequeued is : Jack

The element dequeued is : Eva

The element dequeued is : Mia

The element dequeued is : Luke

Queue is empty