Arrays

Exercises

1- Extend the Array class and add a new method to return the largest number. What is the runtime complexity of this method?

Solution: Array.max()

2- Extend the Array class and add a method to return the common items in this array and another array.

Solution: Array.intersect()

3- Extend the Array class and add a method to reverse the array. For example, if the array includes [1, 2, 3, 4], after reversing and printing it, we should see [4, 3, 2, 1].

Solution: Array.reverse()

4- Extend the Array class and add a new method to insert an item at a given index:

```
public void insertAt(int item, int index)
```

Solution: Array.insertAt()