

1

```
1  int a = Integer.MAX_VALUE;
2  int b = Integer.MIN_VALUE;
3
4  //
5  a.length
6
7  //
8  int [][] a = new int [][] {{1, 3}, {2, 4}};
9  int [][] a = new int [2][2];
10
11 //
12 Integer [] a = new Integer[] {3,1,2};
13 Arrays.sort(a, Collections.reverseOrder());
14
15 // ArrayList
16 String str [] = { "Homer", "Marge", "Bart", "Lisa", "Maggie" };
17 List<String> lst = Arrays.asList(str);
18
19 int [] a = {1, 2, 3};
20 List<Integer> lst = new ArrayList<>(a.length);
21 for (int i: a) {
22     lst.add(i);
23 }
24
25 // ArrayList
26 lst.toArray()
```

2

```
1  import java.util.*;
2
3  // PriorityQueue
4  Queue<Integer> pq2 = new PriorityQueue<>(Collections.reverseOrder());
5  Queue<Integer> pq = new PriorityQueue<>((a, b) -> b-a);
6
7  isEmpty(), poll(), add(), peek(), remove()
8
9  // HashMap
10 Map<String, Integer> m = new HashMap<>();
11
12 get, getOrDefault(k, dv), put, remove null, clear
13 keySet, values, containsKey, containsValue, size, isEmpty
14
15 for (Map.Entry<String, Integer> item: items.entrySet()) {
16     item.getKey();
17     item.getValue();
18 }
19
20
21
```

```

22 // HashSet
23 add, remove, contains
24 addAll, removeAll, containsAll, retainAll
25 size, isEmpty, clear
26
27 // ArrayList
28 add, get, set, remove
29 size, isEmpty, clear
30
31 // LinkedList
32 addFirst, addLast
33 peekFirst, peekLast, pollFirst, pollLast    null
34 getFirst, getLast, removeFirst, removeLast
35 size, isEmpty, clear
36
37 // Collections
38 Collections.sort(a, Collections.reverseOrder());
39 Collections.reverse(a);
40 copy(a), fill(a, obj), swap(a, i, j), max(a), min(a)

```

3

```

1
2 Stringchar
3
4 //
5 Character.toString(c) / String.valueOf(c) / new String(char[] cs)
6 s.charAt(idx) / s.toCharArray()
7
8 // Character
9 isDigit, isLetter, isWhitespace, isUpperCase, toUpperCase
10
11 // String
12 length, substring, trim, equals, equalsIgnoreCase, compareTo
13 toUpperCase, toLowerCase, indexOf, lastIndexOf, split
14 replace(char, char), replaceAll(regex, string)
15
16 // StringBuilder
17 StringBuilder str = new StringBuilder("WelcomeGeeks");
18 str.append("adsfs")
19 str.reverse().toString()

```