|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Задание 1. Классы коллекций**  Изучите классы реализации коллекций и заполните следующую таблицу | | | | | | | |
| **Classes** | **Ordering** | **Random Access** | **Key-Value Paris** | **Allows Duplicates** | **Allows Null Value** | **Thread Safe** | **Blocking operation** |
| **Yes/no** | **+/-** | **+/-** | **+/-** | **+/-** | **+/-** | **+/-** |
| ArrayList | + | + | - | + | + | - | - |
| LinkedList | + | - | - | + | + | - | - |
| Vector | + | + | - | + | + | + | + |
| Stack | + | + | - | + | + | +/- | + |
| [HashSet](http://docs.oracle.com/javase/8/docs/api/java/util/HashSet.html) | - | - | - | - | + | - | - |
| [LinkedHashSet](http://docs.oracle.com/javase/8/docs/api/java/util/LinkedHashSet.html) | + | - | - | - | + | - | - |
| [TreeSet](http://docs.oracle.com/javase/8/docs/api/java/util/TreeSet.html) | + | - | - | - | - | - | - |
| [PriorityQueue](http://docs.oracle.com/javase/8/docs/api/java/util/PriorityQueue.html) | + | - | - | + | - | - | - |
| [ArrayDeque](http://docs.oracle.com/javase/8/docs/api/java/util/ArrayDeque.html) | + | - | - | + | - | - | - |
| [Hashtable](http://docs.oracle.com/javase/8/docs/api/java/util/Hashtable.html) | - | - | + | +/- | - | + | + |
| [HashMap](http://docs.oracle.com/javase/8/docs/api/java/util/HashMap.html) | - | - | + | +/- | + | - | - |
| [LinkedHashMap](http://docs.oracle.com/javase/8/docs/api/java/util/LinkedHashMap.html) | + | - | + | +/- | + | - | - |
| [TreeMap](http://docs.oracle.com/javase/8/docs/api/java/util/TreeMap.html) | + | - | + | +/- | + | - | - |