##### **Задание 1. Классы коллекций**

Изучите классы реализации коллекций и заполните следующую таблицу

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Ordering | Random Access | Key-Value Pairs | Allows Duplicates | Allows Null Values | Thread Safe | Blocking Operations |
| ArrayList | Yes | Yes | No | Yes | Yes | No | No |
| LinkedList | Yes | No | No | Yes | Yes | No | No |
| HashMap | No | Yes | Yes | Keys - No | Keys - Only one | No | No |
| TreeMap | Yes | Yes | Yes | Keys - No | Keys - No | No | No |
| LinkedHashMap | No | Yes | Yes | Keys - No | Keys - Only one | No | No |
| EnumMap | No | Yes | Yes | Keys - No | Keys - No | No | No |
| HashSet | No | No | No | No | Only one | No | No |
| TreeSet | Yes | No | No | No | No | No | No |
| LinkedHashSet | Yes | No | No | No | Only one | No | No |
| Stack | Yes | No | No | Yes | Yes | Yes | Yes |
| PriorityQueue | Yes | No | No | Yes | No | No | No |
| LinkedBlockingQueue | Yes | No | No | Yes | No | Yes | Yes |
| ConcurrentLinkedQueue | Yes | No | No | Yes | No | Yes | No |