Topic   **: Collections in Java**

Learning Level   **: Easy and Medium**

Q. No	Question
1	**Understand the Foundations:** Understand the foundational concepts of collections in Java, including the Collection, List, Set, and Map interfaces. The differences between each interface and their common implementations.
2	**Review Official Documentation:** Refer to the official Java documentation for Collections Framework to get detailed insights into each interface, class, and method. Pay attention to method signatures, return types.
3	**Explore Common Operations:** Demonstrate common operations performed on collections, such as adding elements, removing elements, checking for element existence, iterating over elements, and sorting elements.
4	**Dive into Generics:** Learn about generics in Java and how they ensure type safety in collections. Creating generic classes and methods that work with collections.
5	**Sorting and Ordering:** sorting elements in collections with Comparator interfaces.
6	**Highlight Performance Characteristics:** Understand the performance characteristics of different collections and their operations, including time complexity for common operations. Illustrate how to choose the appropriate collection type based on performance requirements.

Success is nothing more than a few simple disciplines practiced everyday