Java Collection Framework Syllabus:

1. Understanding Collection Framework
   * Need of Collection Framework
   * Primitives Vs Arrays Vs Collection
   * Key Interfaces and classes of Collection
2. List Interface
   * What is list in java?
   * ArrayList class in detail(use of arraylist and all its methods)
   * LinkedList class in detail(use of Linkedlist and all its methods)
   * ArrayList Vs LinkedList (Comparison)
   * Vector class in detail(use of vector and all its methods)
   * Vector Vs Arraylist (comparison)
   * Stack class in detail(use of stack and all its methods)
3. Set Interface
   * What is set in java?
   * Set Vs List (Comparison)
   * HashSet class in detail (working and important methods)
   * LinkedHashset class in detail (working and important methods)
   * HashSet Vs LinkedHashSet(Comparison)
   * TreeSet class In detail (working and important methods)
   * HashSet Vs TreeSet (Comparison)
   * Overview of SortedSet and NavigableSet
4. Queue
   * Understanding Queue
   * PriorityQueue class in detail (working and important methods)
5. Map
   * Understanding Map in java
   * HashMap class in detail (working and important methods)
   * IdentityHashMap Vs HashMap
   * WeakHashMap Vs HashMap
   * LinkedHashMap Vs HashMap
   * TreeMap class in detail (working and important methods)
   * Overview of SortedMap and NavigableMap
6. Legacy Maps
   * Hashtable class in details
   * Internal Working of Hashtable, HashMap, HashSet
   * Overview of Dictionary and Properties
7. Cursors
   * Enumeration
   * Iterator
   * ListIterator
8. Default and Customized Sorting
   * Comparable
   * Comparator
9. Utility Classes
   * Collections class
   * Arrays class