

Question Bank

1. Specify the usage of Collection framework. Explain the facility that is rendered by the same.
2. With an hierarchical diagram of Collections, identify the interface and concrete classes in them.
3. Explain the recent changes made to Collection framework, which makes it more serene to use.
4. List out the important interfaces defined in Collection framework. Differentiate between modifiable and unmodifiable collections.
5. Specify the prototypes of add(), addAll(), remove() and removeAll() methods of Collection interface and explain the usage of the same.
6. Explain with a suitable code snippet how ClassCastException and NullPointerException are generated in the Collections framework.
7. Explain with a suitable example how TreeSet class can be used to maintain instances of user defined data types in an order upon implementing Comparable interface.
8. Compare and contrast Comparable and Comparator interfaces used in Java.
9. Explain with suitable example when the priority is considered by the PriorityQueue class in Java.
10. Explain the usage of Map data structure in the collection framework.
11. Explain the different types of constructors used in the TreeMap class.
12. Explain how Access order and Insertion order are maintained by the LinkedHashMap class in Java with suitable code snippets.
13. Define the following: i) Servlet ii) MIME
14. Explain the life cycle of a servlet.
15. List the methods that are available in HttpServletRequest and HttpServletResponse interface.
16. Define the following: i) Get method ii) Post method
17. Define the following: i) Cookie usage ii) Session objects
18. Explain the characteristic nature of a JDBC driver.
19. Explain Type-1 and Type-2 JDBC drivers.
20. With a suitable code snippet explain how connection can be established with a DBMS using JDBC driver.