**Collections:**

**1.** Write a Java program to create a new array list, add some colors (string) and print out the collection

**2.** Write a Java program to iterate through all elements in a array list.

**3.** Write a Java program to insert an element into the array list at the first position.

**4.** Write a Java program to retrieve an element (at a specified index) from a given array list.

**5.** Write a Java program to update specific array element by given element

**6.** Write a Java program to test an array list is empty or not

**7.** Write a Java program to trim the capacity of an array list the current list size. 

**8.** Write a Java program to increase the size of an array list

**9.** Write a Java program to replace the second element of a ArrayList with the specified element.

**10.** Write a Java program to print all the elements of a ArrayList using the position of the elements.

**11.** Write a Java program to convert a hash set to an array.

**12.** Write a Java program to convert a hash set to a tree set.

**13.** Write a Java program to convert a hash set to a List/ArrayList

**14.** Write a Java program to compare two hash set.

**15.** Write a Java program to compare two sets and retain elements which are same on both sets

**16.** Write a Java program to remove all of the elements from a hash set. 

**17.** Write a Java program to get the element in a tree set which is strictly greater than or equal to the given element

**18.** Write a Java program to get an element in a tree set which is strictly less than the given element.

**19.** Write a Java program to retrieve and remove the first element of a tree set.

**20.** Write a Java program to retrieve and remove the last element of a tree set.

**21.** Write a Java program to remove a given element from a tree set.

**22.** Write a Java program to retrieve the first element of the priority queue

**23.** Write a Java program to retrieve and remove the first element.

**24.** Write a Java program to convert a priority queue to an array containing all of the elements of the queue.

**25.** Write a Java program to convert a Priority Queue elements to a string representation.

**26.** Write a Java program to change priorityQueue to maximum priorityqueue.

**27.** Write a Java program to test if a map contains a mapping for the specified value.

**28.** Write a Java program to create a set view of the mappings contained in a map.

**29.** Write a Java program to get the value of a specified key in a map.

**30.** Write a Java program to get a set view of the keys contained in this map.

**31.** Write a Java program to get a collection view of the values contained in this map.

**32.** Write a Java program to get the portion of a map whose keys range from a given key (inclusive), to another key (exclusive).

**33.** Write a Java program to get the portion of a map whose keys range from a given key to another key.

**33.** Write a Java program to get a portion of a map whose keys are greater than or equal to a given key.

**34.** Write a Java program to get a portion of a map whose keys are greater than to a given key.

**35.** Write a Java program to get a key-value mapping associated with the least key greater than or equal to the given key. Return null if there is no such key.

**36.** Write a Java program to get the least key greater than or equal to the given key. Returns null if there is no such key.