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# Collections:

Collection in java is a framework that is used to manipulate the group of objects.

Collections provides

ArrayList

HashMap

TreeSet

LinkedList

Map contains key value pairs and ArrayList is used when the size of the array is unknown.LinkedList is also used for unknown array size but has advantage over ArrayList in insertions and deletions.

## Program 1

Given an array of dates. Sort them in ascending and descending order based on the user inputs.(Take the format as DD-MM-YYYY)

Get dates and store it in the ArrayList and sort the dates in ascending and descending order using comparator.

DateFormat class can be used to sort the dates in ascending and descending order.

## Program 2

Given an array of names standing for a student council election. A name in array represents a vote casted to the candidate. Print the name of student who won. If there is tie, print lexicographically smaller name.

Get the array names and to know the count of votes for each student use HashMap and display the student name.

If there is a tie sort the names and display the first name.