

Java & DSA - ASSIGNMENT - DAY 6

Please practice the following activities

1. Give an array of 11 integers which represents the scores of cricketer in a match.
`int[] scores = {12, 23, 45, 33, 66, 5, 74, 3, 12, 9, 17};`
Sort the array using bubble sort and list the highest and lowest cricketer scores.
2. Draw the Heap structure from the given array:
`int[] data = {1, 12, 9, 5, 6, 10}`
3. Take input as name from the User and Sort the string based on ASCII Codes.
for example:
If user inputs the String: **bbccdefbbaa**
Output should be: **aabbbbccdef**
4. Implement Quick Sort on Array Of Object
Firstly create a class Message with attributes text, size, sender, receiver.
Now, sort the array of objects based on attribute size
5. Create a LinkedList of Dish Objects and Sort the same using Merge Sort Algorithm.
You can use the Dish Object attributes name, ratings, price and sort the same based on ratings or price.