

Assignment #37

Sort Scores

Write a Java program to sort scores obtained by the 5 players namely [Virat Kohli, MS Dhoni, Suresh Raina, Gautam Gambir, Ajinkya Rahane] in the recent cricket matches.

Read latest Test, ODI and T20 match scores from the user for each match the scores are provided in a comma separated format. Span a thread for each match and sort the scores in the thread and store the result in the thread object.

Create a main class "Main.java"

Create SortScore class with below attributes,

- matchType - String
- scoreString - String (Comma separated input scores for a match is stored)
- scores - Integer[]

Create a constructor SortScores with the argument matchType and scoreString.

Extend thread classes and override the run() method

Create a method getScores() to return the scores array.

For each match span a new thread and pass the match information. Start the thread by calling start () method and wait for all the child thread to complete their processing using the join () method. Once all the child threads are completed call the getScores() method and display the scores.

Input and Output Format:

Refer sample input and output for formatting specifications.

[All text in bold corresponds to input and the rest corresponds to output]

Sample Input/Output :

Enter the Match :

ODI

Enter the Scores :

89,128,113,67,202

Enter the Match :

Test

Enter the Scores :

76,34,75,23,96

Enter the Match :

T20

Enter the Scores :

56,35,75,45,39

Ordered Score List

Match : ODI

67

89

113

128

202

Match : Test

23

34

75

76

96

Match : T20

35

39

45

56

75