COL 216

STAGE 2 REPORT

K LAXMAN

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Objective:

Function to merge two sorted lists of strings ,maintaining the sorting order and including the comparison mode ,duplicate removal .

- In the stage 2, I have used   ARMSim 2.0.1 and angel instruction set.

Firstly in my code I have asked the user to enter the size of list 1 and then the size of list 2

- Accordingly he has to enter the lists
- Give inputs as specified above of list size
- Next input will be comparison mode whether 0 or 1
    - 0 means sensitive comparison mode
    - 1 means insensitive comparison mode
- Next input will be duplicate removal
    - 0 means removes the duplicate
    - 1 means don't remove the duplicate

- Output is of format which sorts the lists in dictionary order and prints size of list at the last.
- Below I have given example for working on my code to better explain it clearly

- Here I have given output both the merged list and the size of the merged list too.

  Example of how my terminal prompt appears:

  2   => size of list 1 expected from user

  2   => size of list 2 expected from user

  Ball   => list 1

  cat   => list 2

  monkey

  zoo

  Ex: ballcatmonkeyzoo4   => output of merged list with size of list

  This is the final result of the code which shows the merged list.

- I have checked the test cases and they worked fine for me

- I have used usefulfunctions.s and I have tested my algorithm(function) with friends main part as a reference.

- I have attached both the stage 1 and stage 2 files in the zip folder and I used Angel instructions set plugin

- This stage 2 function is clearly merging two sorted lists of strings and able to remove the duplicates from list .

- I have added the both sensitive and insensitive comparison modes .