Hands-on Exercises

(Strings and Dynamic Allocation)

IT 1201



The problems are found inside my folder in Drive T: (teacherfiles)



- 1. In your drive, create a folder with the date today (January 14, 2016) as its name.
- 2. Place all your outputs today in the folder you just created.
- 3. In teachersfiles->Polinar->IT1201, copy the file kpopstruct.c and paste it in your drive.
- 4. Finish kpopstruct.c by filling in the blanks and creating the missing functions. Use the descriptions found in this file as your guide to create the missing functions.



Functions in kpopstruct.c

- Functions to be created:
 - 1. void insertArtist(company *c, artistType a); inserts an artist if and only if it is not full in the next space available in the company's artist array. The function also displays "Cannot add artist _____" once it is full.
 - 2. artistType getMainVocal (company c, char *group); Given a variable of type company and a groupname, getMainVocal () will return the artist record of the given group's main vocal.
 - 3. artistType* retrieveAllActiveLeaders (company SME, int *numLeaders); returns the artist record of all currently active leaders to the calling function. It would also update the leaderCtr variable found in main.

NOTE: The container of all the active leaders should neither be more or less which requires you to make use of the realloc() function.

Functions in kpopstruct.c

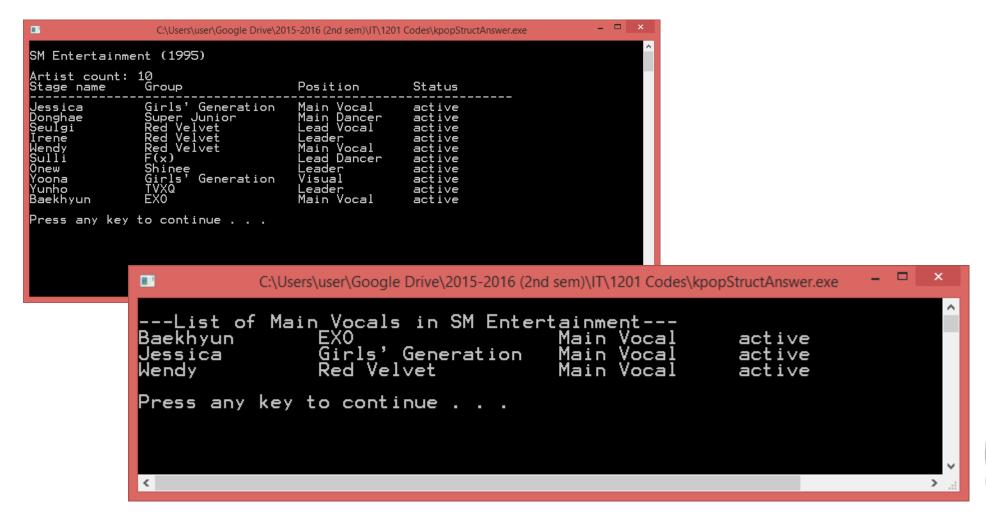
- Functions to be created (cont.):
 - 4. int setInactiveArtists (company *c, artistType terminated[], int ctr); Given a company structure variable, a list of artists whose contracts have ended or terminated, and the number of terminated artists in the list, the function will find all the artist records in the company's artist list and sets the artists' status to inactive if the record is found. Otherwise, the function will count and display all the terminated artist records not found in the company. Finally, the function will return the number of artists whose records where successfully terminated.

NOTE:

a) the artist's ID uniquely identifies an artist



Output of kpopstruct.c





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