

Music App

The Python program you are asked to implement is a music application, which takes two files as input, which content is correct (no errors in the files).

Music.dat : this file contains records about music songs. Each record is composed of the following fields:

song name; artists **or** group; genre 1 ; genre 2; ; genre N

where the song name and the artists or group are strings, including spaces, and genres are strings composed of a single word. A song may belong to many genres, which number is not known in advance.

Users.dat : this file contains records about the users of the app. Each record is composed of the following fields:

name **and** surname; preferred genre 1; preferred genre 2

The Python program associates and prints to screen every user the list of songs according to the user's genre preference.

Songs with preferred genre 1 should be listed before songs in the preferred genre 2. A song cannot be displayed more than once for a single user.

Per every user, the output message format is the following:

User name and surname:

- song
- song
- song
- song

EXAMPLE

Music.dat

Desolation Row; Bob Dylan; country; pop; folk
The Dangling Conversation; Simon & Garfunkel; pop; rock; folk

The Sidewinder Sleeps Tonight; R.E.M.; rock; alternative
Cemetery Gates; Smiths; rock; punk; indie
I Am The Walrus; Beatles; pop; rock; psychedelic; beat
Fool For Love; Lou Reed; rock; noise; punk
Junk Food Junkie; Larry Groce; pop; folk; country

Users.dat

John White; pop; rock
Mike Brown; country; punk

Printed message after elaboration:

John White:
- Desolation Row
- The Dangling Conversation
- I Am The Walrus
- Junk Food Junkie
- The Sidewinder Sleeps Tonight
- Fool For Love
Mike Brown;
- Desolation Row
- Junk Food Junkie
- Cemetery Gates
- Fool For Love