Retake Final Exam Aug 2025
TASK:
Find the Most Frequent Movie Co-Stars

Create a Java application that identifies the pair of actors who have co-starred in most movies together, along with the list of those movies and their release years.

Input data:

A **CSV files** with data in the following format:

actors.csv

ID, FullName, BirthDate

1, Robert Downey Jr., 1965-04-04

2, Chris Evans, 1981-06-13

3, Scarlett Johansson, 1984-11-22

......

movies.csv

ID, Title, ReleaseDate

1, Iron Man, 2008-05-02

2, Captain America: The First Avenger, 2011-07-22

3, The Avengers, 2012-05-04

.....

roles.csv

ID, ActorID, MovieID, RoleName

1, 1, 1, Tony Stark

2, 2, 2, Steve Rogers

3, 1, 3, Tony Stark

4, 2, 3, Steve Rogers

5, 5, 3, NULL

Sample output:

1, 2, 5

    2, 2012

    4, 2015
    5, 2016
    6, 2018
    ...

Specific requirements

1) The input data must be loaded to the program from a CSV file.

2) More than one date format to be supported, extra points will be given if **all date formats** are supported.

3) The Role field can be **NULL**, indicating that the actor appeared in the movie without a specifically named role.

4) In a README.md file summarize your understanding of the task and your algorithm.

5) **Do not use** external libraries for CSV parsing.

6) Follow clean code conventions.

Database

1) Implement persistence of the data

2) Use SQL Database

Bonus

1) CRUD for Actors, Movies & Roles

Delivery

1) The task solution needs to be uploaded to a public GitHub repo and should contain all your commits.

2) Use main (master) branch for your production source code, don`t forget to merge from your develop branch – the evaluation team can get confused or forget to check other branches.

Have FUN!