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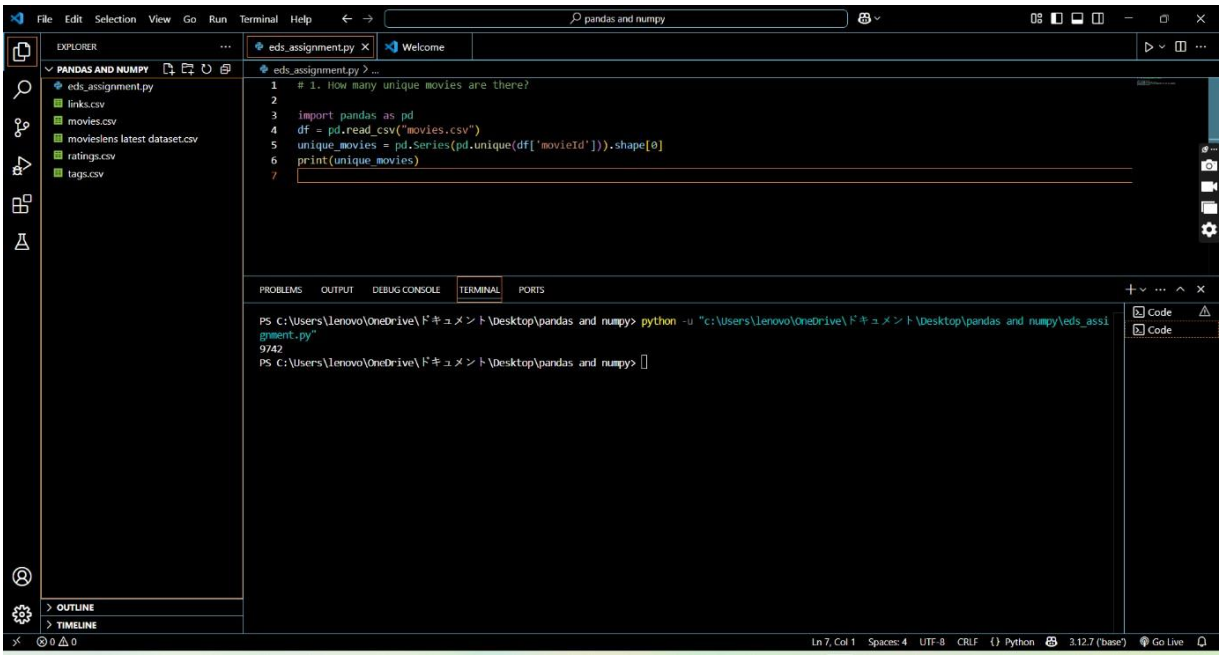
ROLLNO : ET2-44
CLASS : ET2

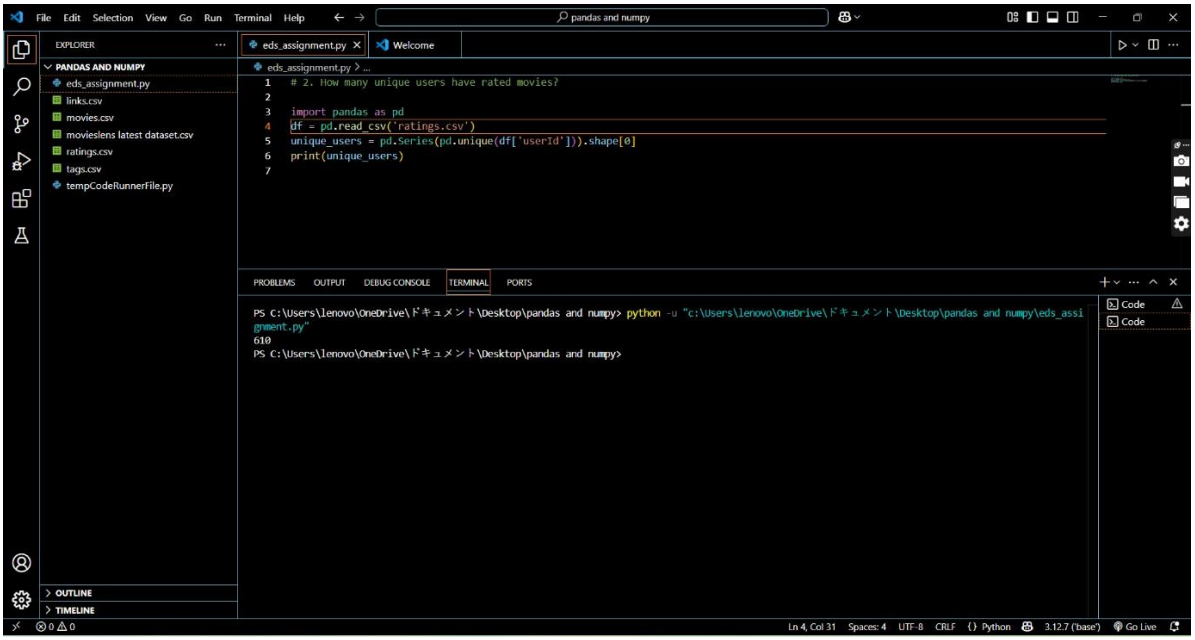
EDS THEORY ASSIGNMENT 1

URL: https://www.kaggle.com/datasets/shubhammehta21/movie-lens-small-latest-dataset

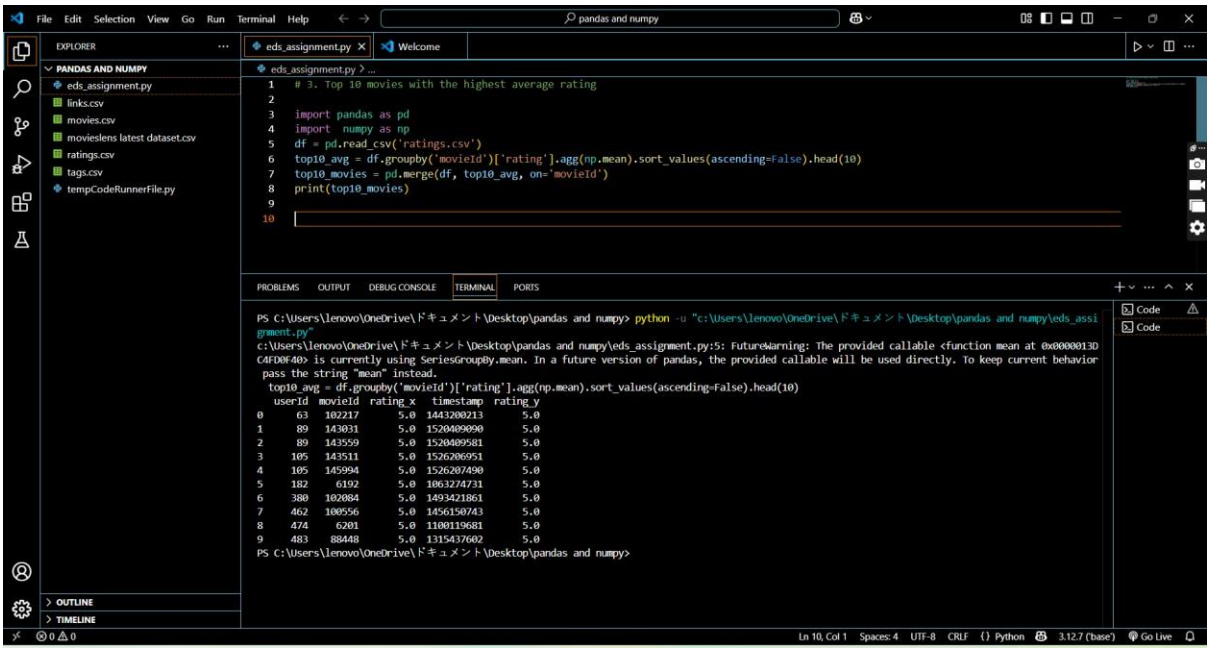
1.How many unique movies are there?



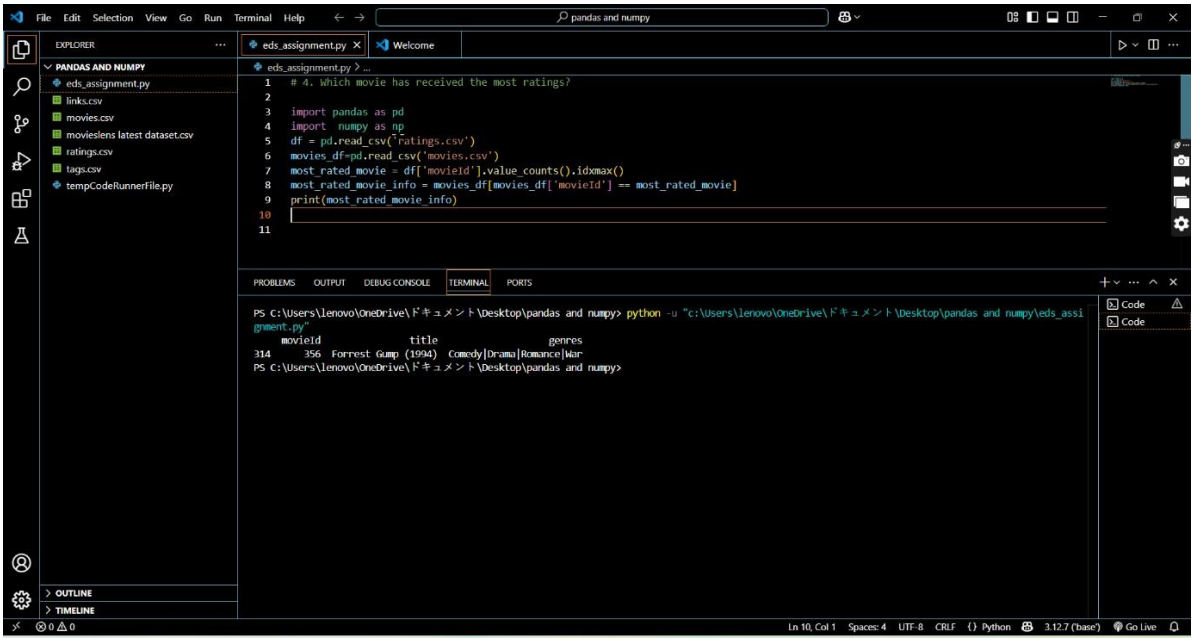
2. How many unique users have rated movies?



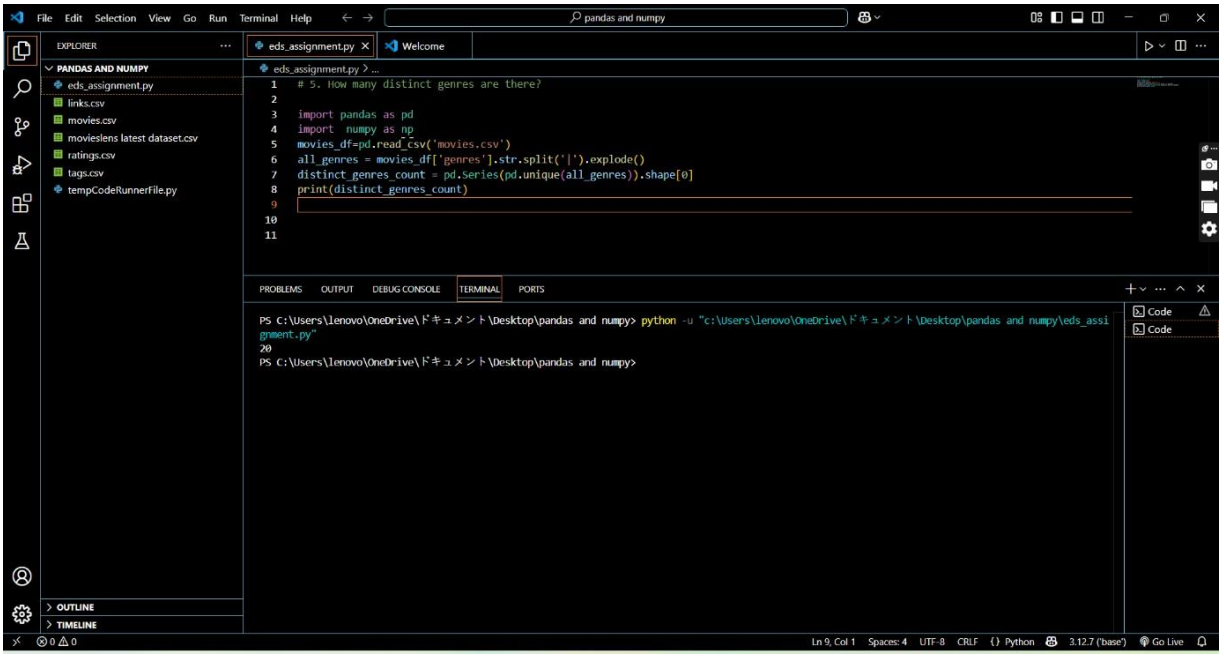
3. Top 10 movies with the highest average rating



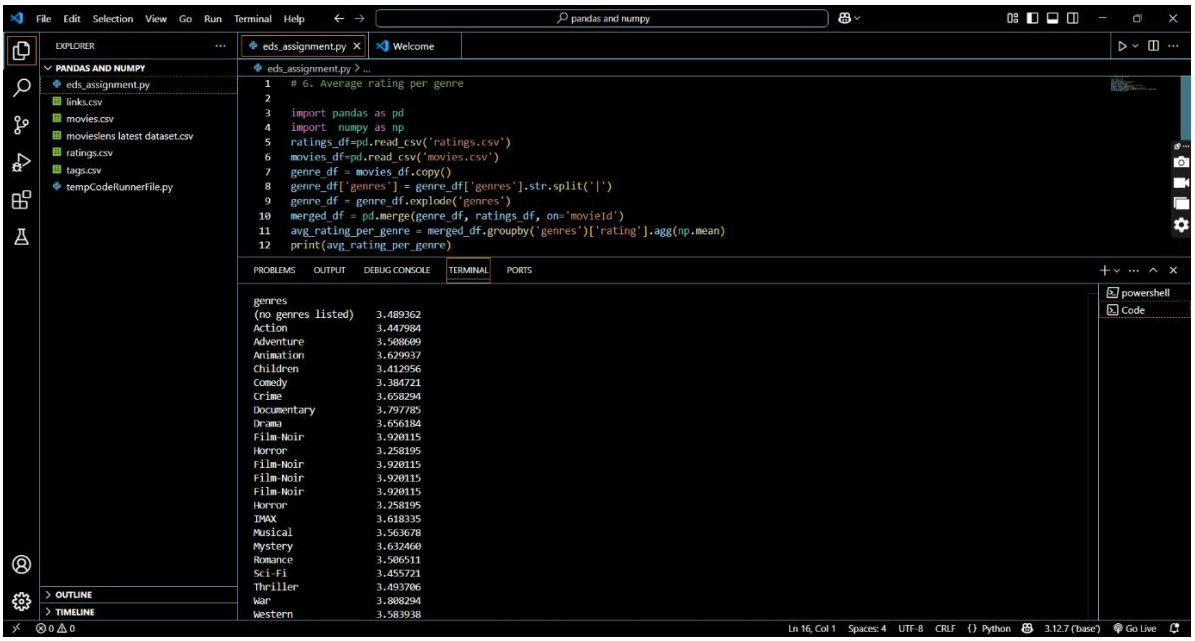
4. Which movie has received the most ratings?



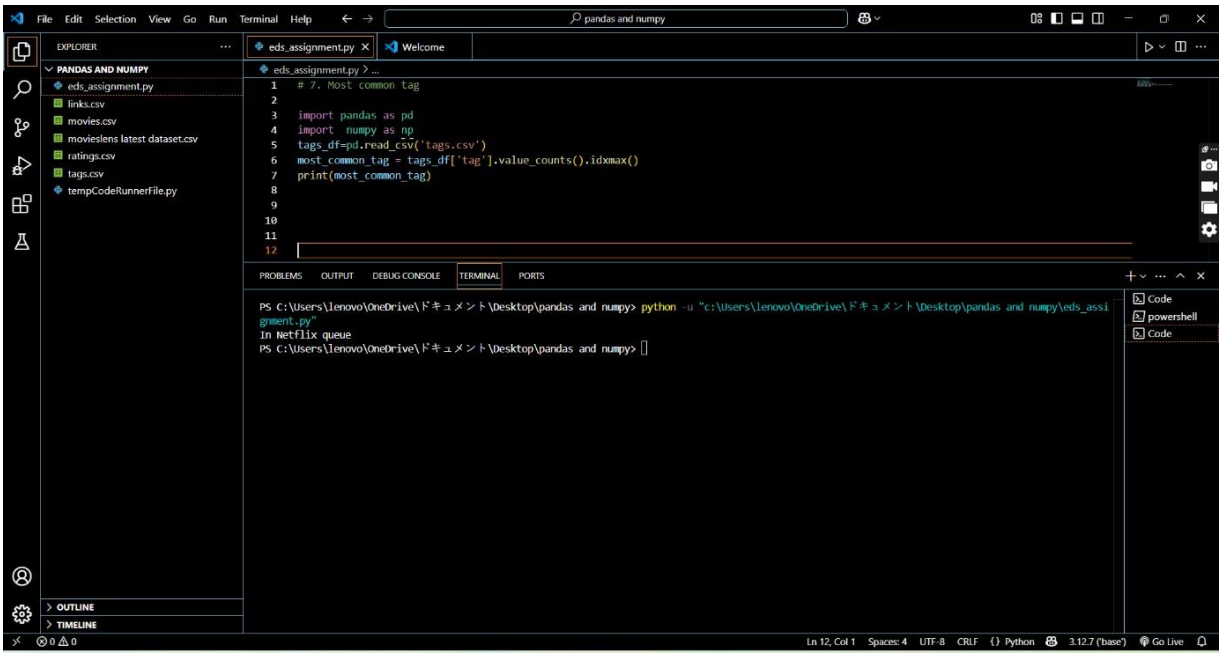
5. How many distinct genres are there?



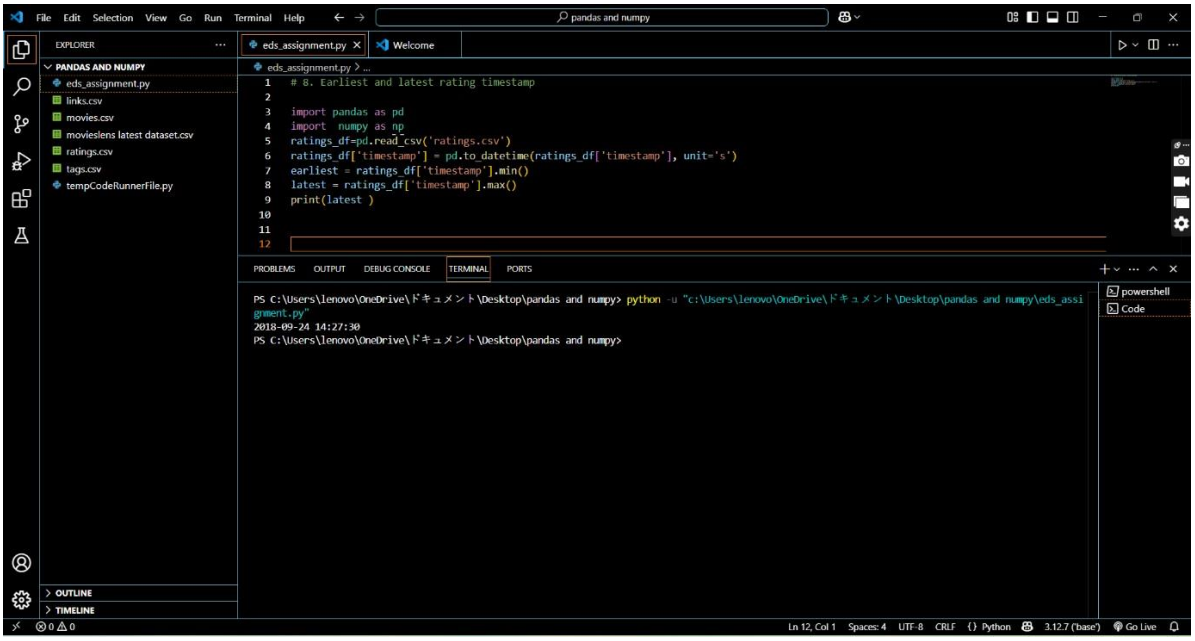
6. Average rating per genre



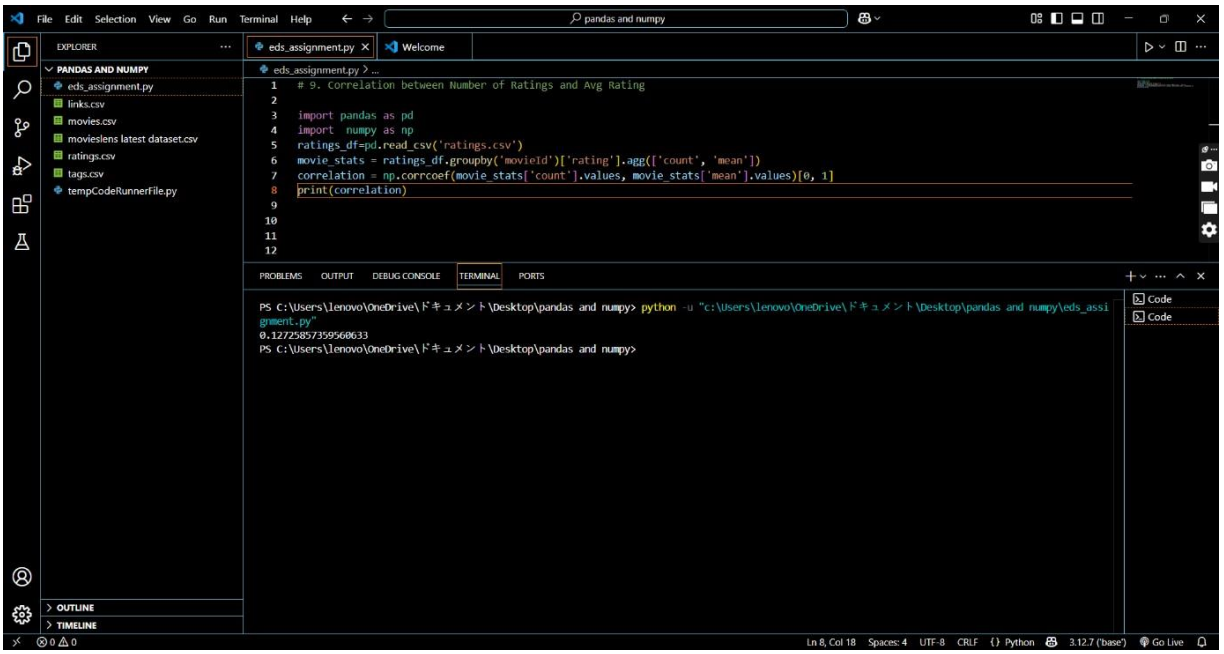
7. Most common tag



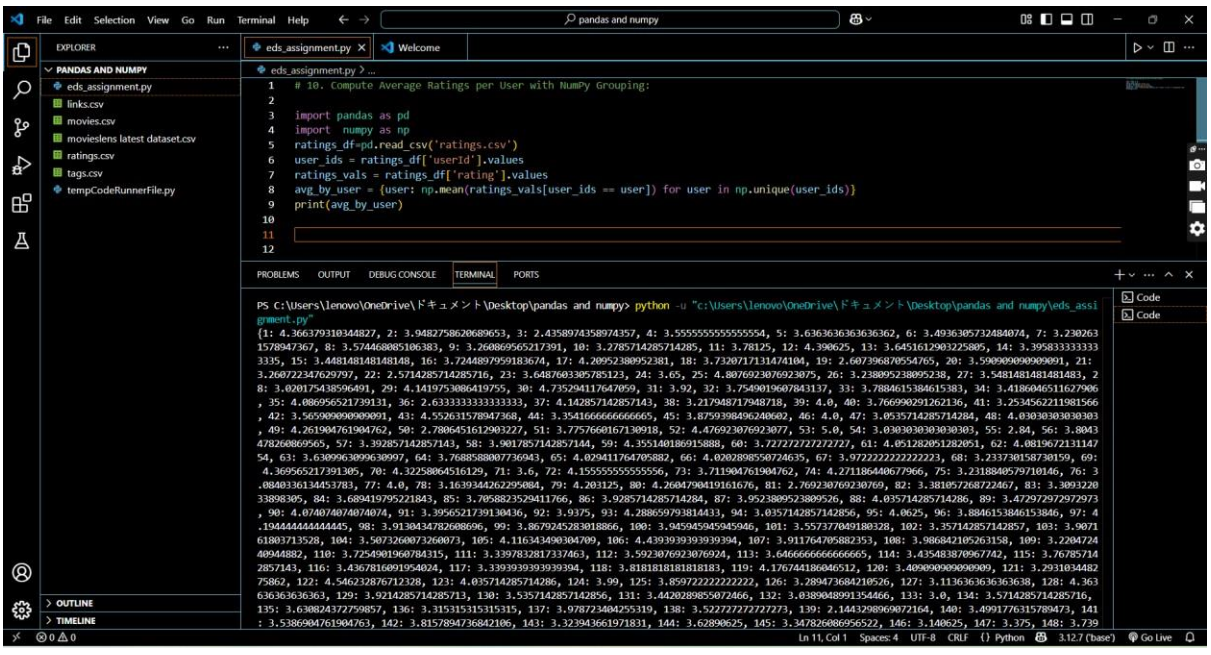
8. Earliest and latest rating timestamp



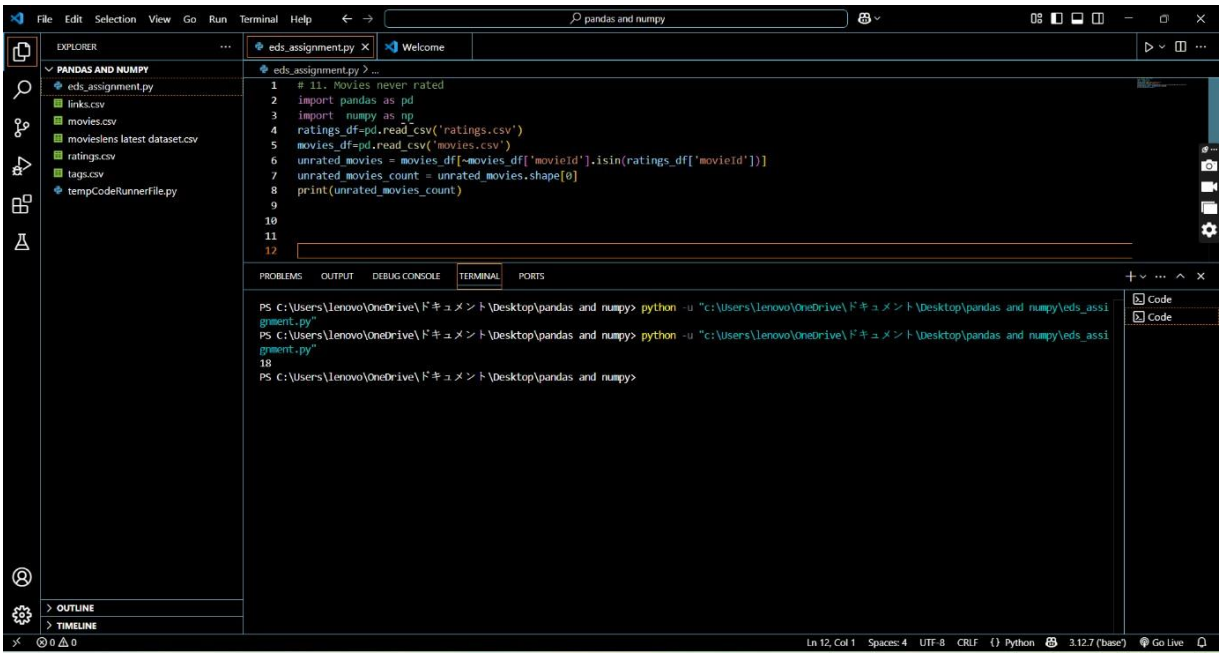
9. Correlation between number of ratings and average rating



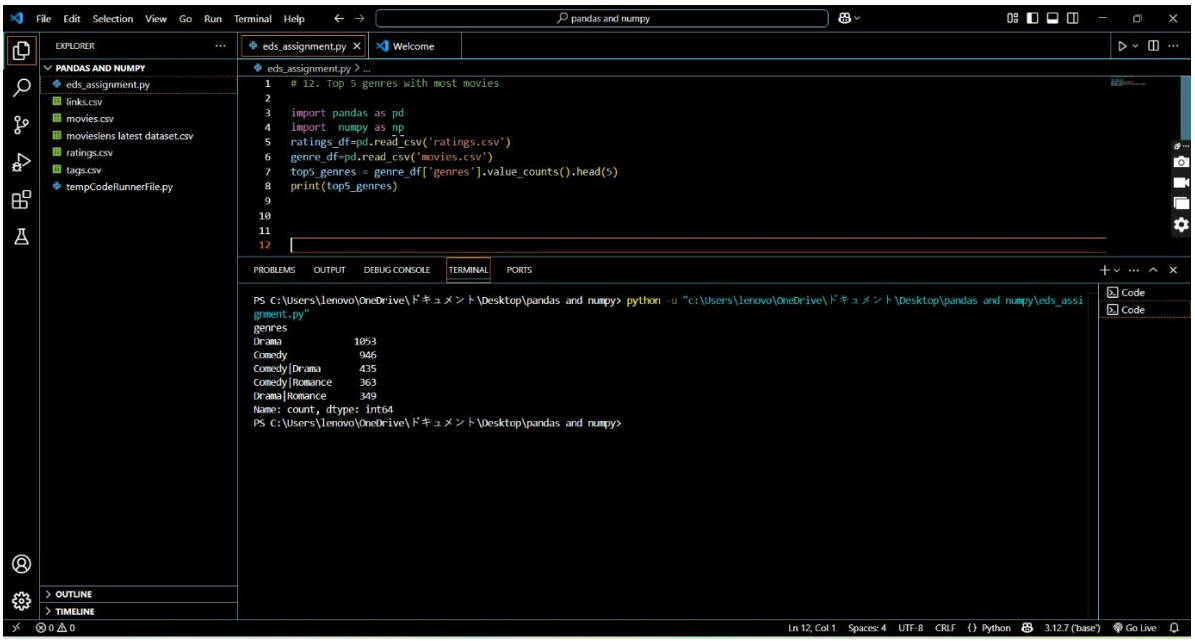
10. Compute Average Ratings per User with NumPy Grouping:



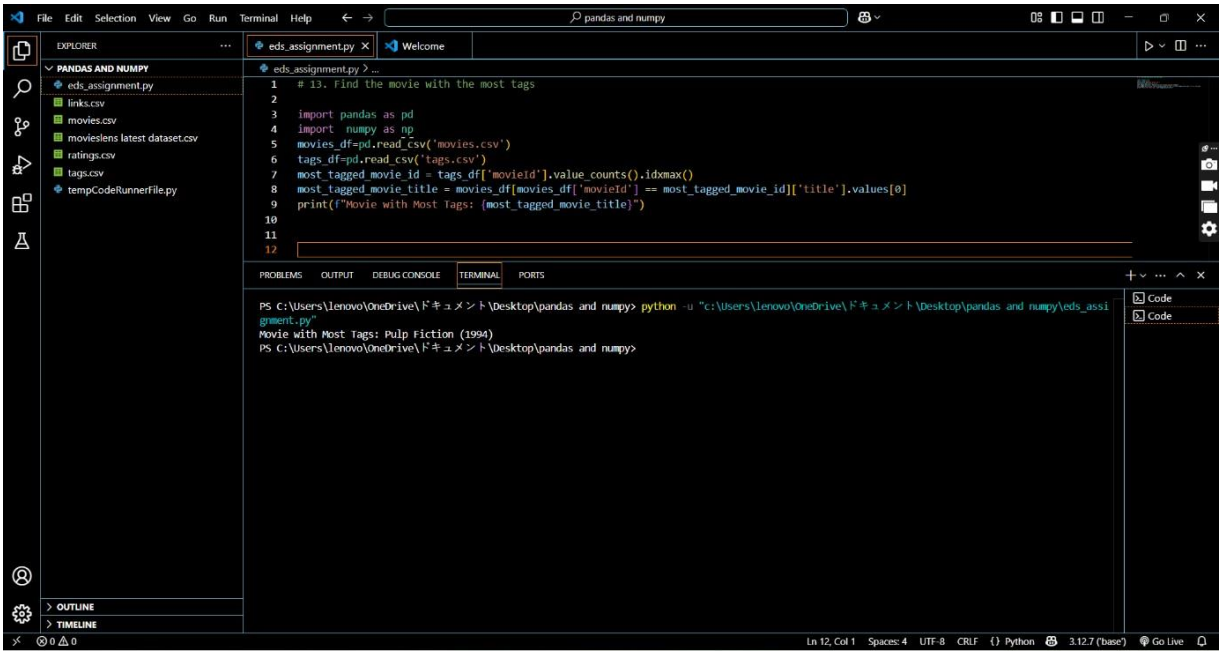
11. Movies never rated



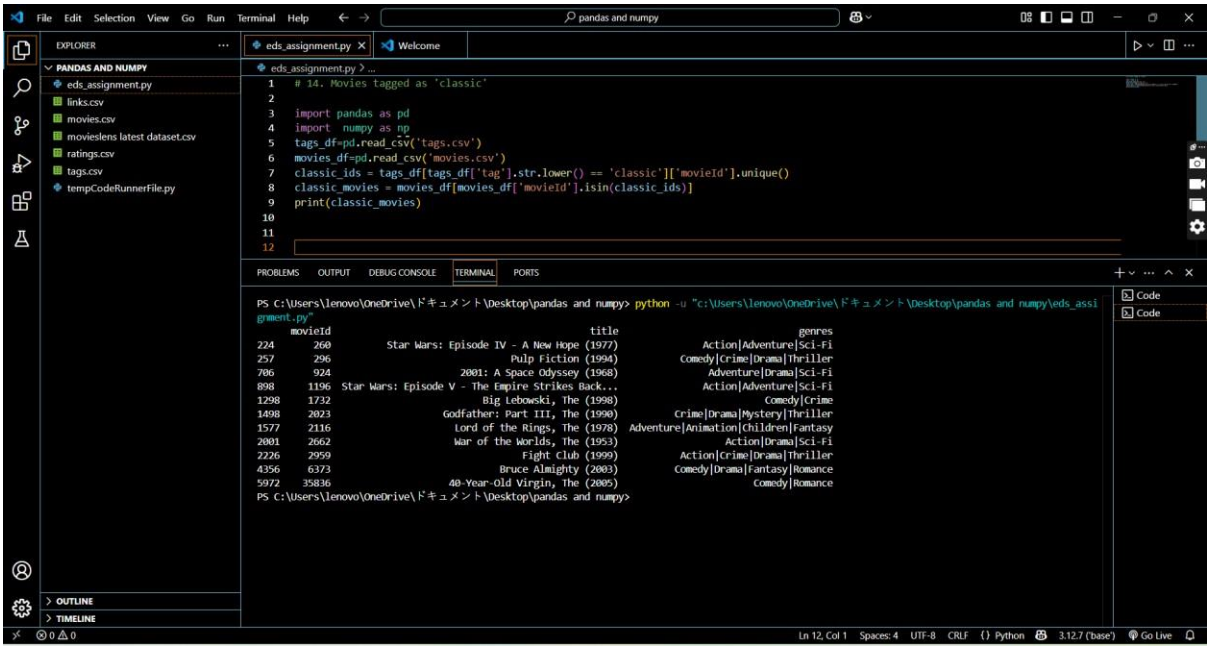
12. Top 5 genres with most movies



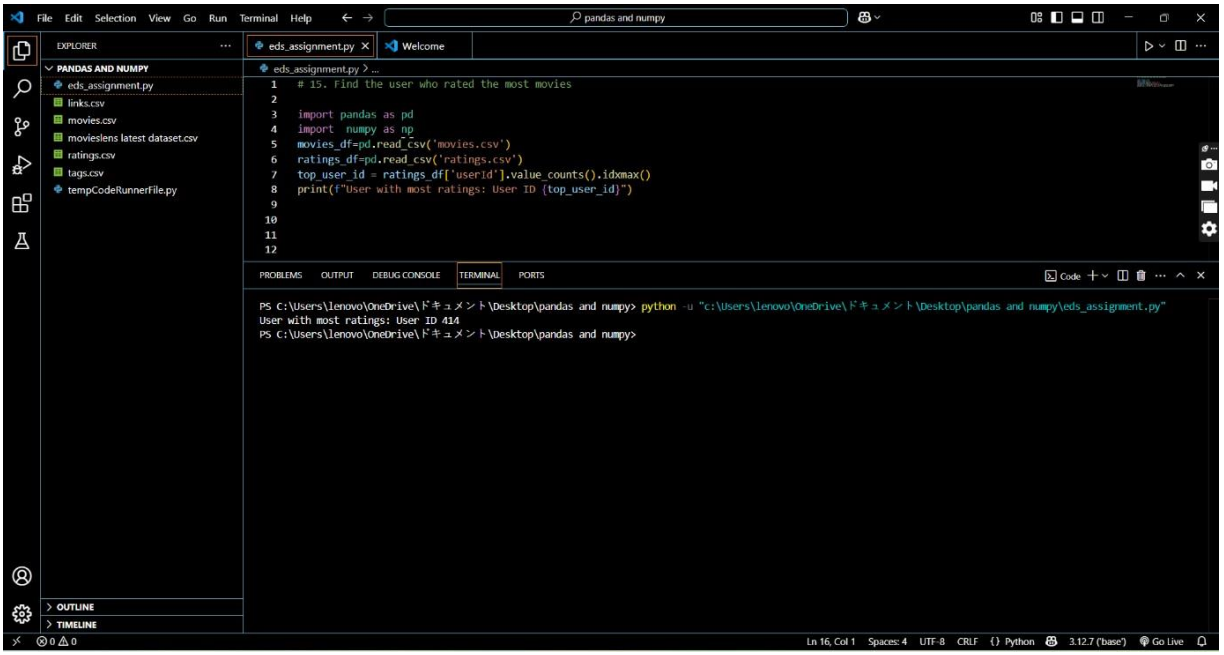
13. find the movie with the most tags



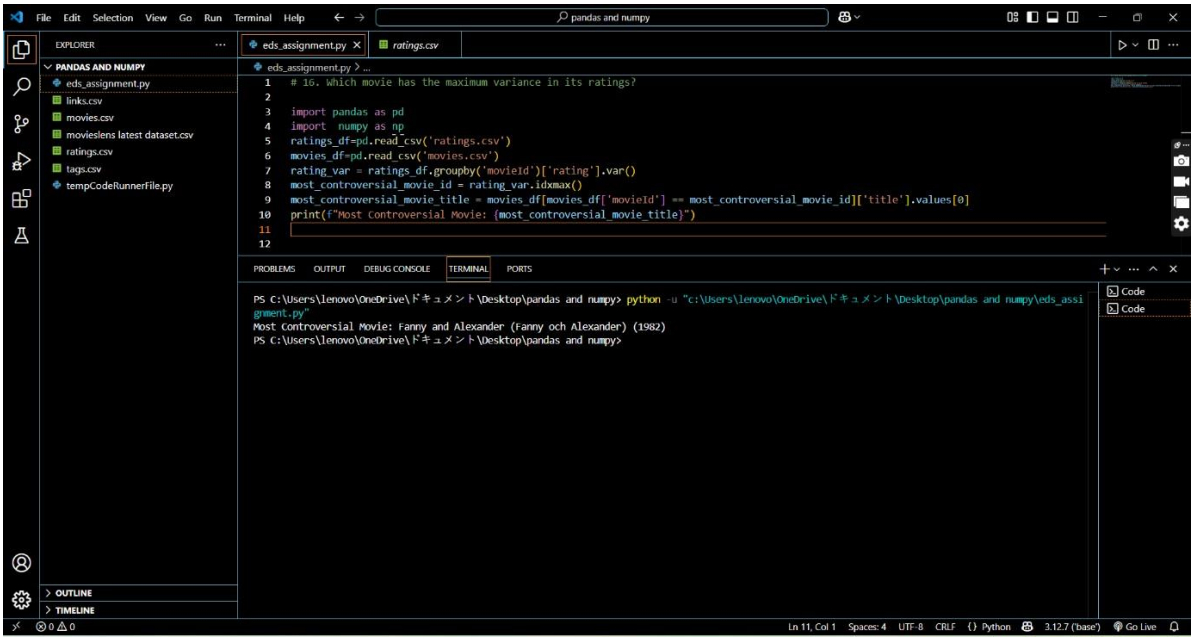
14. Movies tagged as 'classic'



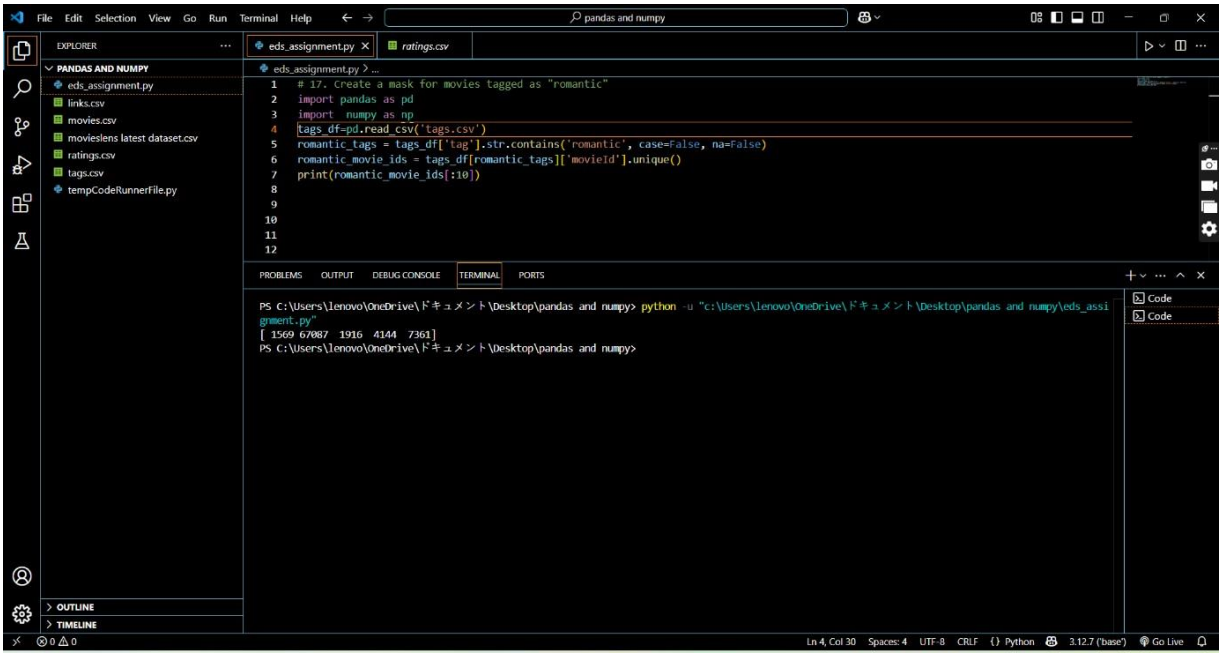
15. Which user has rated the most movies?



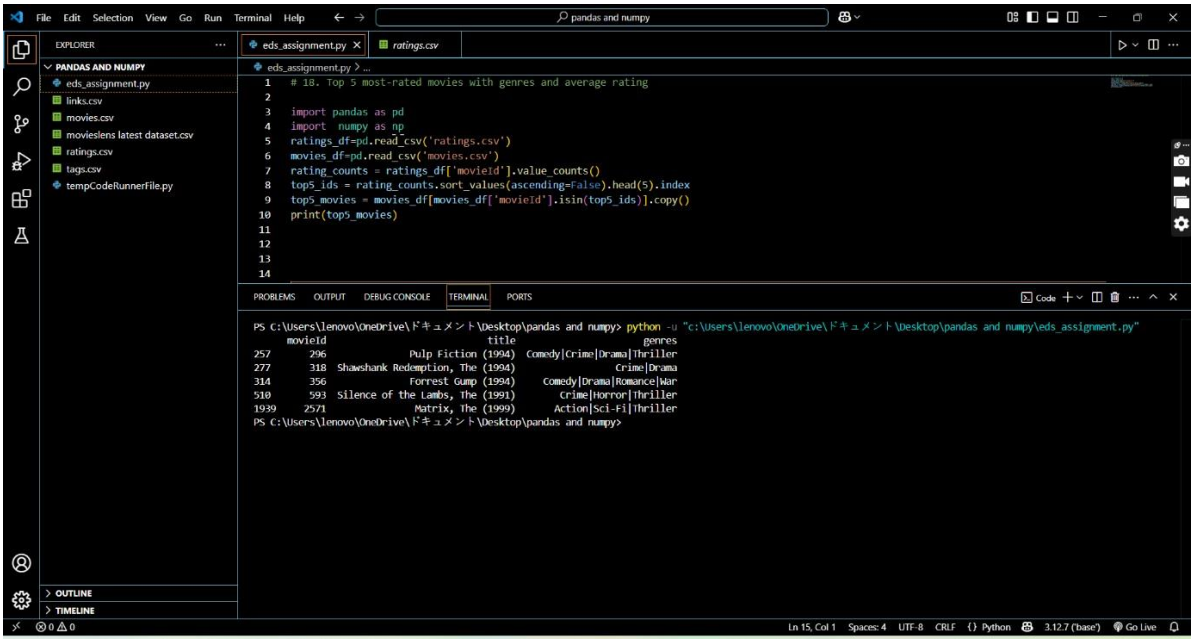
16.which movie has the maximum variance in its rating?



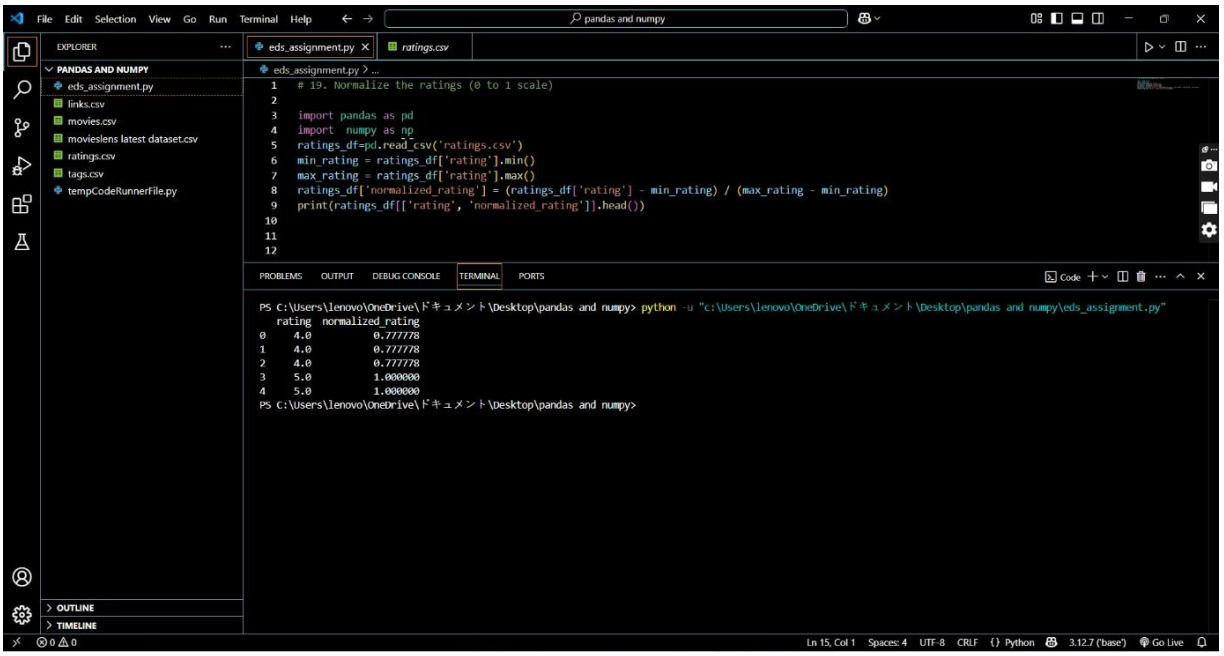
17. create a mask for movies tagged as "romantic"



18. Top 5 most-rated movies with genres and average rating



19. Normalize the ratings (0 to 1 scale)



20. Movie with lowest average rating (minimum 10 ratings)