1. How do you load the IMDb dataset into a pandas DataFrame.
2. Display the first 5 rows of the dataset. What information can you gather from these rows?
3. What method would you use to get an overview of column data types and missing values.
4. Identify the columns with missing values. What strategies can you use to handle them?
5. Which columns are essential for analyzing movie ratings and details? How would you drop the rest?
6. Calculate the average runtime of movies in the dataset.
7. Count the number of movies in each genre. How can you present this information visually?
8. Who are the top 5 directors with the most movies in the dataset?
9. Create a line plot showing the number of movies released each year.
10. Draw a histogram depicting the distribution of movie runtimes.
11. Plot a histogram showcasing the distribution of movie ratings.
12. Calculate the correlation coefficient between movie ratings and runtimes.
13. Identify the 3 most frequent actors in the dataset.
14. Is there any visible relationship between box office earnings and movie ratings?
15. List the languages in which movies are released. How would you display this information as a frequency count?
16. Plot a histogram of movie budgets to understand their distribution.
17. Which production company has produced the highest number of movies?
18. Present the distribution of movies across different countries using a bar plot.
19. Create a word cloud visualization using movie titles or keywords from descriptions.
20. Plot the average movie ratings over the years to identify trends.
21. Identify trends in average ratings over the years. What insights can you gather?

22. Discover the most common director-actor pairs. Who are they?

23. Analyze how movie runtimes have changed over the years. Are movies getting longer or shorter?

24. Plot the trends of different genres over the years. Which genres have become more popular?

25. Extract and analyze popular keywords from movie descriptions. What themes emerge?

26. Create bar plots to compare metrics like rating, revenue, and budget. What comparisons can you make?

27. Investigate how movie budgets relate to their earnings. Is there a pattern?

28. Analyze the relationship between the number of votes and movie ratings.

29. Explore the distribution of ratings for different genres. Are there variations?

30. Identify any outliers in the movie runtime data. How would you handle them?