1. **Filter employees who are older than 30 and have a salary greater than $70,000.**
2. **Find the average salary of employees in each department.**
3. **Add a new column AgeGroup that categorizes employees as Young (Age < 30), Mid (30 ≤ Age < 40), and Senior (Age ≥ 40).**
4. **Identify the employee(s) with the highest performance rating in each department.**
5. **Calculate the total number of projects completed by employees in the IT department.**
6. **Create a new column YearsInCompany that calculates the number of years each employee has been with the company based on the JoiningDate.**
7. **Sort the DataFrame by Salary in descending order and display the top 5 earners.**
8. **Find all employees who joined the company before 2015.**
9. **Group employees by Location and calculate the average performance rating for each location.**
10. **Replace all performance ratings below 3.0 with the value 3.0 to normalize low ratings.**
11. **Find the total salary paid to employees in the Finance department.**
12. **Count the number of employees in each department.**
13. **Filter out rows where the Experience column has a value less than 5 years.**
14. **Create a pivot table showing the total Salary for each Department and Location.**
15. **Find the correlation between Age, Salary, and Rating.**
16. **Identify employees who have completed more than 15 projects and have a rating of 4.0 or higher.**
17. **Remove duplicate rows (if any) based on the EmployeeID column.**
18. **Calculate the median salary of employees grouped by their AgeGroup.**
19. **Find the percentage of employees in each department relative to the total number of employees.**
20. **Replace missing values in the Salary column (if any) with the median salary of the corresponding department.**