

# Pandas Questions

## Basic Exploratory Questions

1. Display the top 10 rows of the dataset.
  2. Check the last 10 rows of the dataset.
  3. Find the shape of the dataset (number of rows and columns).
  4. Get information about the dataset, including total rows, columns, data types, and memory usage.
  5. Check for null values in the dataset.
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## Column Manipulation Questions

6. Drop columns such as ID, Notes, Agency, and Status.
  7. Replace 'Not Provided' in the **EmployeeName** column with NaN.
  8. Drop rows with more than 5 missing values.
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## numberStatistical and Analytical Questions

9. Find the number of unique job titles.
  10. Find the occurrence of employee names (top 5 most common names).
  11. What is the average BasePay of all employees per year?
  12. What is the average BasePay of employees with the job title
  13. Find the top 5 highest-paid employees (based on **TotalPay**).
  14. Find the median BasePay for each department.
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## Specific Employee-Based Questions

15. Find the job title of 'ALBERT PARDINI'.
  16. How much did 'ALBERT PARDINI' make (including benefits)?
  17. Find the name of the person with the highest BasePay.
  18. Find the employee with the lowest BasePay.
  19. Which employee worked for the most number of years?
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## Job Title and Department Analysis

20. Find the total number of employees in each department.
  21. Find the top 5 most common job titles.
  22. How many job titles contain the word 'Captain'?
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## Benefit and Salary Analysis

23. What are the top 3 most common benefits?
  24. What percentage of **BasePay** is missing in the dataset?
  25. Find the top 3 years with the smallest **TotalPayBenefits**.
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## Visualization Questions

26. Create a histogram of **TotalPay**.