

A list of 20 beginner-level coding questions for Pandas:

1. Create a Pandas DataFrame from a dictionary with three columns: Name, Age, and City. Display the DataFrame.
2. Read a CSV file named `data.csv` into a DataFrame. Display the first 10 rows.
3. Create a DataFrame with data on student scores (e.g., Student, Subject, Score). Calculate the mean score for each subject.
4. Load a CSV file into a DataFrame and display the names of all columns.
5. Select the column `Age` from a DataFrame and display its contents.
6. Filter a DataFrame to include only rows where the value in the `Salary` column is greater than 50000.
7. Create a DataFrame from a list of lists where each sublist represents a row. Print the DataFrame.
8. Add a new column `Country` to an existing DataFrame with a default value of `'Unknown'`.
9. Rename the columns of a DataFrame from `A`, `B`, `C` to `X`, `Y`, `Z`.
10. Drop the `City` column from a DataFrame and display the resulting DataFrame.
11. Find and display the number of missing values in each column of a DataFrame.
12. Replace all missing values in a DataFrame with the mean value of their respective columns.
13. Sort a DataFrame by the `Date` column in descending order.
14. Filter rows where the `Age` column is between 20 and 30, inclusive.
15. Create a DataFrame with dates and display the DataFrame with dates formatted as `YYYY-MM-DD`.
16. Select rows where the `Score` column is equal to the highest score in the DataFrame.
17. Combine two DataFrames `df1` and `df2` along the rows.
18. Save a DataFrame to a new CSV file named `output.csv`.
19. Create a DataFrame with two columns: `Product` and `Price`. Apply a 10% discount to all prices and add a new column `Discounted_Price`.
20. Generate a summary of statistics for a DataFrame using the `describe()` method.

These questions cover basic data manipulation, selection, filtering, and operations that are fundamental for working with Pandas.