**Using str.slice() for Column Manipulation**

* **Question:** The Team column contains team names. Create a new column called Team\_Abbreviation that stores the first three characters of the team names by using str.slice().

**Extracting Part of a String Using str.slice()**

* **Question:** In the Position column, extract the last two letters using str.slice() and store them in a new column Position\_Short.

**Creating a Function to Calculate Age in Months**

* **Question:** Create a function that converts the Age of a player from years to months and apply it to the Age column using pandas.apply(). Store the result in a new column Age\_in\_Months.

**Using apply() to Convert Heights**

* **Question:** Create a function that converts the Height from feet and inches format (e.g., 6-5) into decimal format (e.g., 6.42) and use pandas.apply() to transform the Height column.

**Row-wise Application of a Custom Function**

* **Question:** Write a function that checks if a player weighs more than 200 pounds and is older than 25. Apply this function to the DataFrame row-wise using pandas.apply() and store the result as a new column Heavy\_and\_Old.

**Question:** Use the df.aggregate() function to calculate the mean, median, and standard deviation for the columns Age and Salary.

**Using mean() to Find the Average Salary**

* **Question:** Use the mean() function to calculate the average salary of players from the dataset.

**Group-wise Mean Calculation Using apply()**

* **Question:** Group the players by Team and calculate the mean age of players in each team using apply() and mean().

**Filtering Data Using a Custom Function with apply()**

* **Question:** Write a function to identify if a player's salary is above the average salary, and apply this function using apply() to create a new column Above\_Average\_Salary.

**Using aggregate() with a Lambda Function**

* **Question:** Use aggregate() along with a lambda function to calculate the range (difference between max and min) of the Weight column.