**1. Selection and Slicing:**

* **Basic selection: Select the first 10 rows of the dataset.**
* **Selection by columns: Select the Name and Team columns for the first 20 players.**
* **Using loc: Use the loc method to select all players from the Boston Celtics.**
* **Using iloc: Use the iloc method to select the rows for players who have indices between 10 and 20.**

**2. Adding/Deleting Rows and Columns:**

* **Add a column: Add a new column named Experience, calculated as 2024 - Age.**
* **Delete a column: Delete the College column from the dataset.**
* **Add a row: Add a new player to the dataset with custom values for each column.**
* **Delete a row: Delete the row corresponding to the player "Avery Bradley".**

**3. Boolean Indexing and Masking:**

* **Salary filter: Use boolean indexing to filter out players whose salary is more than $5,000,000.**
* **Height filter: Use boolean indexing to find all players who are taller than 6 feet 6 inches.**
* **Null values filter: Use boolean indexing to identify players with missing salary or college information.**

**4. Creating Series and DataFrames:**

* **Convert to Series: Convert the Name column to a Pandas Series.**
* **Sub DataFrame: Create a new DataFrame containing only players who play the PG or SG position.**

**5. Locating Specific Columns and Rows:**

* **Find specific player: Find the row corresponding to the player named "Jonas Jerebko".**
* **Player and salary information: Use loc to display the Name and Salary of players who are older than 25 years.**
* **Height and weight data: Use iloc to display only the Height and Weight of the first 50 players.**

**6. Data Cleaning:**

* **Missing data: Identify all rows where the Salary column has missing values.**
* **Replace missing data: Replace missing values in the Salary column with the mean salary of all players.**
* **Drop missing data: Drop all rows where any column has missing data.**
* **Inconsistent data: convert the Height column to float format.**