**Question 1: Creating and Basic Operations**

Create a data frame named student\_data with columns: "Name", "Age", "Grade".

Add 5 rows of data to the student\_data data frame.

Display the structure and summary statistics of the data frame.

**Question 2: Filtering and Subsetting**

Extract all rows where the "Grade" is greater than 80.

Create a new data frame named young\_students containing only the rows where "Age" is less than 25.

Display the result of both operations.

**Question 3: Adding and Removing Columns**

Add a new column named "Gender" with values "Male" or "Female" to the student\_data data frame.

Remove the "Age" column from the data frame.

**Question 4: Aggregation and Grouping**

Calculate the average "Grade" for each unique "Gender".

Identify the student with the highest "Grade".

**Question 5: Merging Data Frames**

Create a new data frame named course\_data with columns: "Name" and "Course".

Merge student\_data and course\_data based on the "Name" column.

**Question 6: Advanced Filtering**

Extract the rows where "Grade" is between 60 and 80, and "Age" is greater than 20.

Display the result.

**Question 7: Data Cleaning**

Identify and handle missing values in the data frame if any.

Check for and remove any duplicate rows.