Program for Data Manipulation:
• Read multiple datasets from different files or sources.
• Merge or join the datasets based on common variables or keys.
• Perform aggregation operations, such as calculating sums, means, or counts, by groups or categories.
• Filter the data based on specific conditions or criteria.
• Create new variables or transform existing variables using functions or mathematical operations.

```
# Load necessary libraries

library(dplyr)


# Read datasets from different files or sources

dataset1 <- read.csv("sales.csv")

dataset2 <- read.csv("salary.csv")


# Merge or join datasets based on common variables or keys

merged_data <- merge(dataset1, dataset2, by = "ID")


# Perform aggregation operations by groups or categories

aggregated_data <- merged_data %>%
  group_by(Gender) %>%
  summarise(
    total_salary = sum(Salary),
    average_age = mean(Age),
    count = n()
  )


# Filter the data based on specific conditions or criteria

filtered_data <- merged_data %>%
  filter(Age > 25)
```

```
# Create new variables or transform existing variables using functions or mathematical operations
transformed_data <- merged_data %>%
  mutate(
    doubled_salary = Salary * 2,
    seniority = ifelse(Age > 28, "Senior", "Junior")
  )

# Print the results
print("Merged Data:")
print(merged_data)

print("Aggregated Data:")
print(aggregated_data)

print("Filtered Data:")
print(filtered_data)

print("Transformed Data:")
print(transformed_data)
```