# 6.CSV File Handling

```
# Reading Data from CSV File
import pandas as pd

df = pd.read_csv("employees.csv")
print("First 5 Rows of the Dataset:\n", df.head())
```

## #Output:

### First 5 Rows of the Dataset:

```
Name Age Department Salary
0 101
      Alice 25
                  HR
                       50000
1 102
        Bob 30 Marketing
                           60000
2 103 Charlie 22
                   IT
                       55000
3 104
      David 28
                  Sales
                         65000
4 105 Eva
            32
                 Finance
                          70000
```

# # Modifying and Manipulating CSV Data

Filtering Data
 high\_salary = df[df['Salary'] > 60000]
 print("\nEmployees with Salary > 60000:\n", high\_salary)

### #Output:

```
Employees with Salary > 60000:
```

ID Name Age Department Salary

3 104 David 28 Sales 65000

4 105 Eva 32 Finance 70000

 Aggregations and Calculations average\_salary = df['Salary'].mean() print("\nAverage Salary:", average\_salary)

## #Output:

Average Salary: 60000.0

```
    Modifying Data
        df.loc[df['Department'] == 'IT', 'Salary'] += 5000
        print("\nUpdated Salary for IT Department:\n", df[df['Department'] == 'IT'])
    #Output:
        Updated Salary for IT Department:
        ID Name Age Department Salary
        2 103 Charlie 22 IT 60000
```

# Saving Updated Data to a New CSV File

```
df.to_csv("updated_employees.csv", index=False)
print("\nUpdated DataFrame has been saved as 'updated_employees.csv")
```