Practice Day 12.5

1. Create a Pandas Series from the list `[10, 20, 30, 40, 50]`. Print the Series, its index, and data type. Then create a DataFrame with columns `"Name"`, `"Age"`, and `"City"` containing at least 4 rows of data.

2. Using any DataFrame, write code to print the number of rows and columns, column data types (`.dtypes`), and summary statistics (`.describe()`).

3. Create a DataFrame using the dictionary below:

```
data = {
    'Product': ['Pen', 'Book', 'Eraser', 'Pencil'],
    'Price': [10, 50, 5, 7],
    'Quantity': [100, 60, 200, 150]
}
```

   Print `.columns`, `.index`. Access a single column and one full row.

4. Using `.loc[]` and `.iloc[]`, show the first row, the second column, and a 2×2 block from the middle of your DataFrame.

5. Create a 4×3 DataFrame of student names and marks. Drop one column using `.drop()`, drop one row by index

6. Create a DataFrame of employees with columns `"Name"`, `"Department"`, and `"Salary"`. Sort it by `"Salary"` in ascending order and by `"Name"` in descending order.

7. Create a DataFrame of 8 students with columns `"Name"` and `"Score"`. Filter and print students with `Score > 60` and those with `Score < 40`.