## 🗂 Dataset: `large_employee_dataset.csv`

| Column | Description |
|---|---|
| EmployeeID | Unique employee identifier |
| Name | Full name |
| Age | Age of the employee |
| Department | Department (IT, HR, Finance, etc.) |
| Salary | Monthly salary |
| JoiningDate | Date of joining |
| Status | Employment status (Active, Resigned…) |
| City | Work location |

## 📝 Exercises

### 🔹 Basic Exploration

1. Show the top 10 rows of the dataset.
2. Count the total number of employees.
3. Display unique departments.

### 🔹 Filtering & Sorting

4. Filter all employees in the "IT" department.
5. Show employees aged between 30 and 40.
6. Sort employees by `Salary` in descending order.

### 🔹 Aggregation Tasks

7. Get the average salary by department.
8. Count of employees by `Status`.
9. Highest salary in each city.

### 🔹 GroupBy and Analysis

10. Total number of employees who joined each year.
11. Department-wise count of employees who are currently "Active".
12. Average age of employees per department.

### 🔹 Joining (Use another DataFrame for mapping)

13. Create another dataset with `City` and `Region`, and join it.
14. Group salaries by Region after the join.

### 🔹 Date Operations

15. Calculate years of experience for each employee (current date - JoiningDate).

16. List all employees with more than 5 years of experience.