## Project Title: "Big 4 Financial Risk and Compliance Insights"

**Objective**

The goal of this project is to **analyze**, **visualize**, and **draw insights** from a dataset related to financial risk and compliance cases in Big 4 companies.  
Students will practice using **Python** for data manipulation, **exploratory data analysis (EDA)**, and basic **visualization techniques**.

**📄 Dataset Description**

You will work with a real-world dataset: big4\_financial\_risk\_compliance.csv.

It contains information such as:

* Company names (from Big 4: Deloitte, PwC, EY, KPMG)
* Risk and compliance case types
* Risk areas (e.g., cybersecurity, audit, fraud)
* Possibly risk scores, dates, or severity levels

**🧩 Key Tasks**

1. **Data Loading and Cleaning**
   * Load the CSV using pandas.
   * Check and handle missing data.
   * Explore the types of fields (numerical, categorical).
2. **Exploratory Data Analysis (EDA)**
   * Understand the general trends.
   * Find top companies with the most compliance issues.
   * Analyze risk scores across different companies or risk types.
3. **Data Visualization**
   * Create bar charts showing the number of compliance cases by company.
   * Create pie charts for the distribution of risk areas.
   * Optional: Show how risk cases trend over time if time data is available.