**1. Team Name and Members**

**Team Name**: ROMA

**Team Members and Roles**:

* **Mahmoud Raslan:** Participated in Tableau dashboards and insights, created the Report Word File, made this file, and participated in the presentation.
* **Omar Yasser:** Participated in data cleaning in Python, generated insights and charts in Python, and participated in the presentation.
* **Mohammed Sameh:** Participated in Tableau dashboards and insights, created the Blueprint, developed Storytelling, and participated in the presentation.
* **Ahmed Alaa:** Participated in data cleaning in Python, generated insights and charts in Python, and participated in the presentation.

**2. Project Name**

**Project Name**: HR Data Analysis and Insights

**3. Project Description (Brief Summary)**

The **HR Data Analysis and Insights** project aims to uncover key insights from an HR dataset to support better employee management and retention strategies. The dataset includes employee demographics, job satisfaction, work-life balance, and attrition rates.

**Data Cleaning Process**: Using Python, the dataset was cleaned by converting numerical values into descriptive labels for columns like "Education," "Job Satisfaction," and "WorkLifeBalance." Ahmed Alaa and Omar Yasser handled this phase, also generating insights and charts in Python to explore trends such as **Attrition Rate by Job Role** and **Monthly Income vs. Job Satisfaction**.

**Dashboards**: Tableau dashboards were then created to visualize key metrics:

* **Total Employees** and **Gender Distribution** by department.
* **Job Satisfaction Levels** and **Work-Life Balance vs. Overtime** by gender.
* **Attrition Rates** by job role and **Employee Distribution** by education level.

The dashboards offer a clear overview of workforce trends, helping HR teams make informed decisions about employee retention, engagement, and overall management.