Assignment Data Visualization

Objective:

Perform **data visualization** on a dataset containing employee performance data.

Instructions:

1. **Dataset:** Use the dataset named **employee_performance.csv** with the following columns:

   o Employee_ID (Integer)

   o Department (Categorical: Sales, IT, HR, etc.)

   o Monthly_Salary (Float)

   o Years_of_Experience (Integer)

   o Performance_Score (Scale of 1-10)

2. **Tasks:**

   o Load the dataset using Pandas.

   o Generate statistical summaries. **Assignment: Data Transformation and Aggregation**

   o **Objective:**
     Perform data transformation on a dataset, including data encoding, creating new derived columns, and performing grouping and aggregation.

   o

   o Create the following visualizations:

     ▪ Histogram of Monthly Salaries

     ▪ Scatter Plot: Years of Experience vs. Performance Score

     ▪ Heatmap of numerical features (Salary, Experience, Performance)

3. **Submission:**

   o Submit the Python script (.ipynb) with and PDF