✅ Task 12: Power BI — Data Transformation using Power Query

Tools:

- Primary: Power BI Desktop
- Alternative: Excel Power Query

Dataset:

- HR Analytics
- Superstore
- Customer Churn Dataset

Hints / Mini Guide:

1. Import dataset into Power BI.
2. Open Power Query Editor.
3. Remove unwanted columns + rename headers.
4. Fix missing values (remove/replace).
5. Change datatypes correctly.
6. Split/merge columns where required.
7. Create conditional columns (age group, salary band).
8. Apply changes and load model.
9. Build 2–3 visuals using transformed data.

Deliverables:

- task12_transform.pbix
- dashboard_export.pdf
- transformation_notes.txt

Final Outcome:
✅ Skill in real-world data shaping before dashboarding.

Interview Questions Related To Above Task:

- Why Power Query is used?
- Merge vs Append in Power BI?
- Why datatype matters in BI?
- Measures vs columns?
- Common data cleaning steps in BI?

📌 **Task Submission Guidelines**

- ⏰ **Time Window:**

You can complete the task anytime between 10:00 AM to 10:00 PM on the given day. Submission link closes at 10:00 PM

- 🔍 **Self-Research Allowed:**

You are free to explore, Google, or refer to tutorials to understand concepts and complete the task effectively.

- 🛠️ **Debug Yourself:**

Try to resolve all errors by yourself. This helps you learn problem-solving and ensures you don't face the same issues in future tasks.

- 💸 **No Paid Tools:**

If the task involves any paid software/tools, do not purchase anything. Just learn the process or find free alternatives.

- 📁 **GitHub Submission:**

Create a new GitHub repository for each task.
Add everything you used for the task — code, datasets, screenshots (if any), and a short README.md explaining what you did.

📤 **Submit Here:**

After completing the task, paste your GitHub repo link and submit it using the link below:

- 👉 [Submission Link]

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