Task 1: Copy Data from Database to CSV, Parquet, and Avro File Formats: Extract data from a relational
database and export it into multiple file formats: CSV for broad compatibility, Parquet for efficient analytics,
and Avro for schema evolution and compact serialization. These formats support various downstream use
cases such as reporting, warehousing, or distributed data processing.

Solution:

Step 1: Create Linked Services Go to Azure Data Factory Studio.

Click on Manage (gear icon on the left).

Under Linked services: Create one for your source (e.g., Azure SQL Database, MySQL).

Create another for your sink (Azure Blob Storage or Data Lake)

Step 2: Create Datasets Go to Author > + Add new Dataset.

Create a source dataset (e.g., Azure SQL Table).

Create three sink datasets: CSV format (select DelimitedText) Parquet format Avro format

Step 3: Create a Pipeline Go to Author > + New pipeline.

Add a Copy Data activity for each format: Set the source as your database dataset.

Set the sink as one of the formats (CSV, Parquet, or Avro).

(Optional) Add 3 separate Copy Data activities or use If Condition / Switch for format selection.

Copy Data from Database to CSV, Parquet, and Avro File:

