This Python script loads a cleaned dataset from a CSV file, enhances it with a new feature, and inserts the data into a PostgreSQL database.

1. Database Configuration:

* Defines PostgreSQL connection parameters (host, port, database name, user, password).

1. Load Cleaned Dataset

* Reads the CSV file (`clean\_dataset.csv`) based on the current date.
* Adds a `modified\_date` column (set to today's date).

1. Feature Engineering

* Creates a copy of the dataset (`data2`).
* Adds a new feature: `all\_charges = monthlycharges \* tenure`.

1. Insert Data into PostgreSQL

* Defines a function `insert\_to\_db()` to insert data using `SQLAlchemy`.
* Uses `to\_sql()` to replace existing data in tables `clean\_data` and `clean\_data\_new\_feature`.

1. Execution

* Inserts the original dataset into `clean\_data`.
* Inserts the dataset with the new feature into `clean\_data\_new\_feature`.