

DBMS PROJECT

PRODUCTS DISTRIBUTION NETWORK

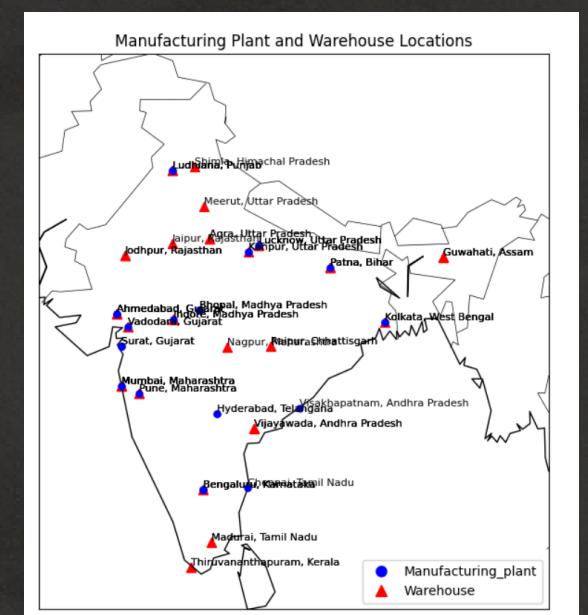
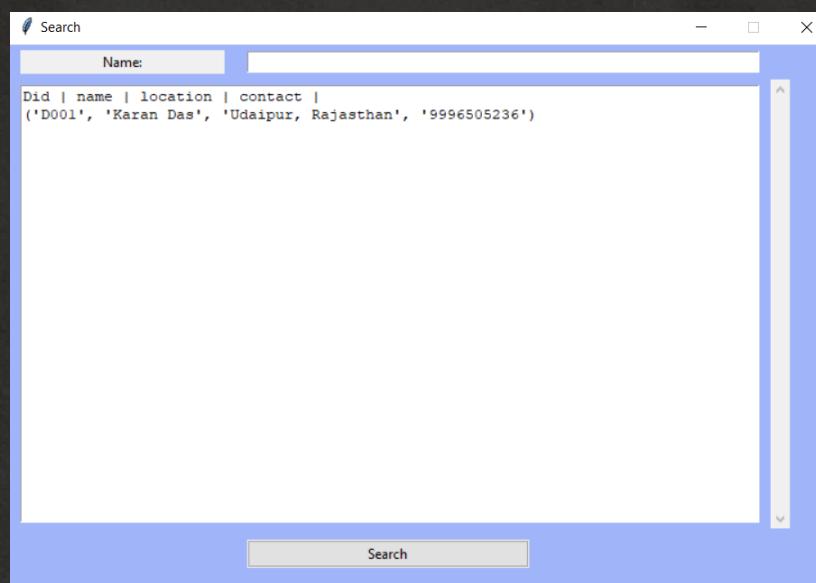
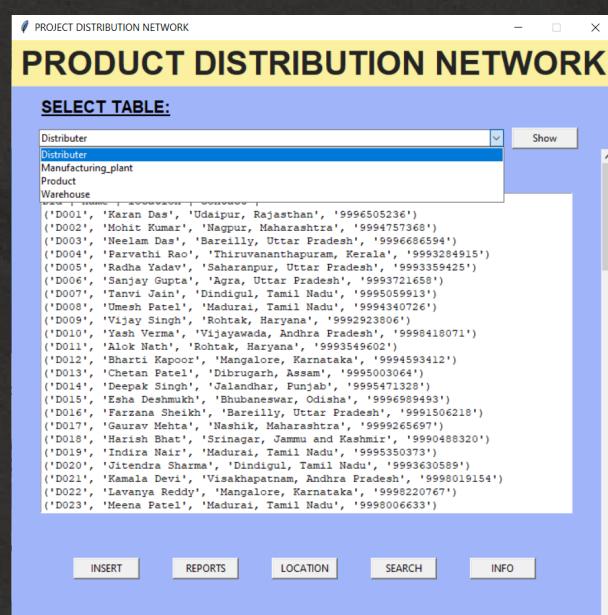
PROBLEM STATEMENT

Design a database for a product-manufacturing company, that has multiple plants and warehouses across all over the country. Several Products are manufactured by plants and stored in different warehouses. Plants transports their manufactured products to warehouses to store. Company deals with distributors and transports their products to them from warehouses

TOOLS AND SOFTWARE USED

These are the main tools and software used to make this project:

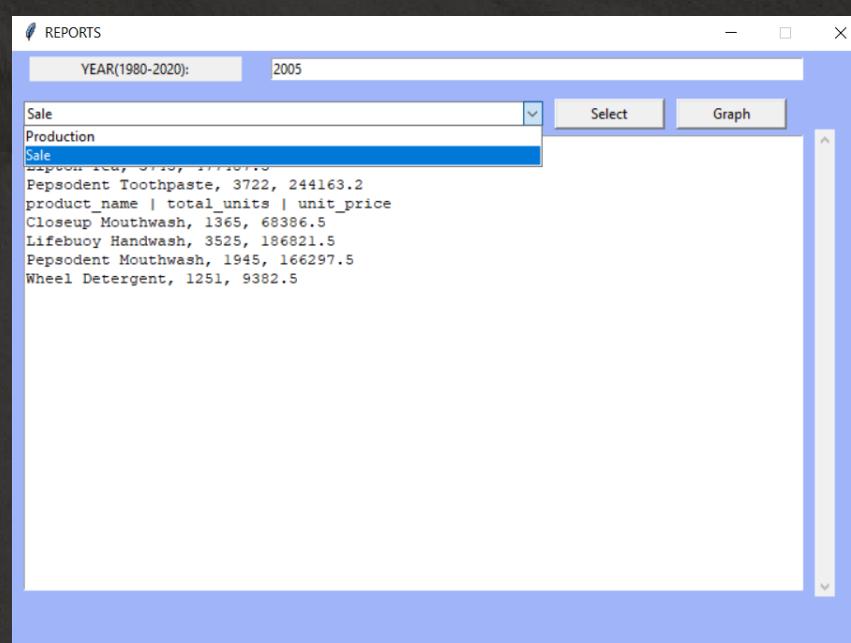
- **Python**: The primary programming language used to write the application.
- **Tkinter**: Python's standard GUI (Graphical User Interface) package. It's used to create the application's user interface, including windows, buttons, labels, and text entry fields.
- **pymysql**: Python library that provides an interface to connect to a MySQL database server, execute SQL queries, and manage database connections.
- **matplotlib**: Comprehensive library for creating static, animated, and interactive visualizations in Python. In this code, it's used for plotting graphs and maps.
- **Basemap**: Matplotlib toolkit for plotting 2D data on maps. It's used to create geographic maps and plot locations on those maps.
- **OpenStreetMap (OSM) API**: OpenStreetMap is a collaborative mapping project that provides free and editable map data to users worldwide.



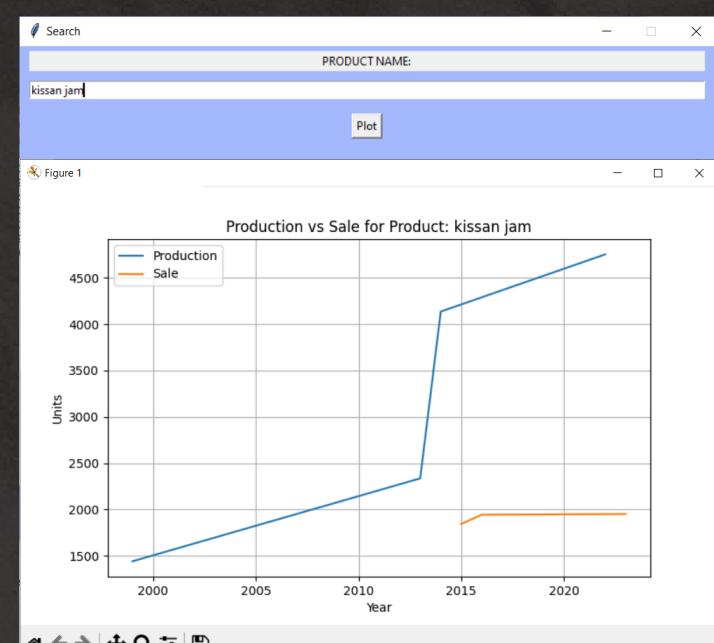
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SEARCHING IN TABLE

LOCATIONS ON MAP



FINDING SALES AND PRODUCTION



GRAPH OF PRODUCTION AND SALES OF A PARTICULAR PRODUCT