

K. J. Somaiya Polytechnic, Mumbai-77

Batch No: C2

Enrollment No.: FCOG21723 & FCOG21744

Micro Project Name: Billing Software



K. J. Somaiya Polytechnic, Mumbai-77

Experiment No.19

Experiment Name: Implementation of Micro Project

Micro Project Title: Billing Software

Problem Definition:

Create a billing software application using Python and Tkinter. The application should allow users to enter customer details, select products (sanitizer, mask, gloves, etc.) and their quantities, calculate total prices, apply taxes, and generate a bill. The program should also provide functionality to search for bills, clear data, and save bills to files.

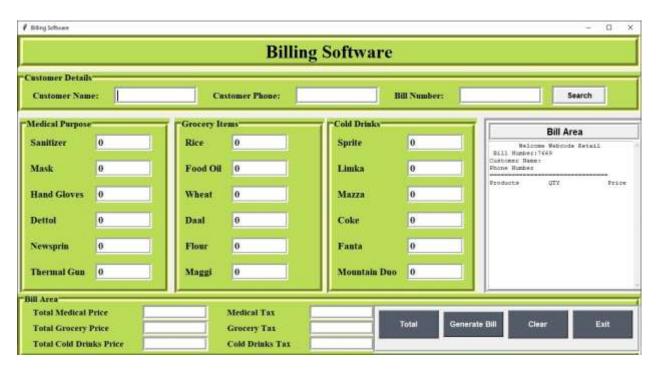
Concept of Python used in microproject

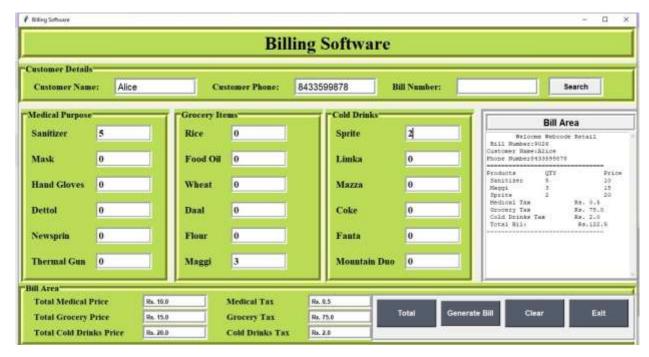
• Tkinter: GUI library for creating the user interface.

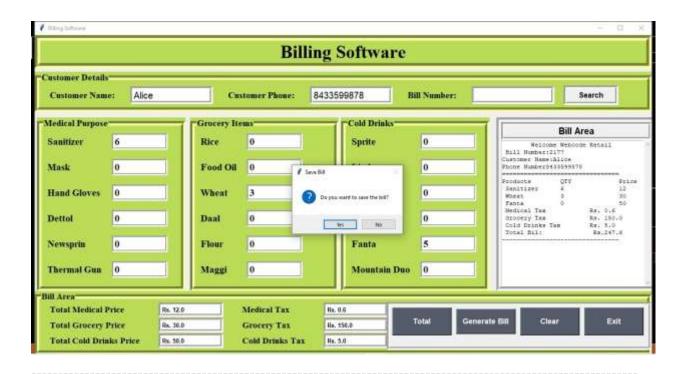
- Object-Oriented Programming (OOP): Classes and objects are used to organize the code into a structured format.
- File Handling: Reading from and writing to files for saving bill information.
- Random Module: Generating random bill numbers.
- Conditional Statements: Used for validation and decision-making processes.
- Looping Constructs: For iterating through products and calculating total prices.
- Functions: Modularizing code into functions for better readability and reusability.
- String Formatting: Formatting strings for displaying bill information.

.....

ScreenShots of Micro Project:







Billing Software Customer Details Alice 8433599878 Bill Number: Customer Name: Customer Phone: Search Cold Drinks Medical Purpose Grocery Items Bill Area Sanitizer 0 Rice Welcome Wencode Recall Bill Number:2177 Customer Hamm:Alice Phone Humber043069678 Food Oil 0 # Seved Froducts G Sanitizes & Wheat 3 Fents 0 Nedicel Tax Groowly Tax Cold Drinks Tax Total Drinks Hand Gloves θ Wheat 3 0 68 no:2177 Saved Successfully Rs. 190.0 Rs. 1.0 Rs. 247.6 Dettol 0 Daal 0 0 OK Newsprin 0 Flour 0 Fanta 5 Thermal Gun Mountain Duo Maggi Bill Area" Total Medical Price Medical Tax Re. 12.0 Rx. 6.6 Generate Bill **Total Grocery Price** Rs. 30.0 Grocery Tax Rs. 150.0 **Total Cold Drinks Price** Rs. 50.0 Cold Drinks Tax Rs. 5.0

This PC > Local Disk (D:)

^	Name	Date modified	Туре	Size
	PythonProject1717	07-11-2023 00:19	Text Document	1 KB
	PythonProject3159	07-11-2023 00:14	Text Document	1 KB

PythonProject3159 - Notepad File Edit Format View Help Welcome Webcode Retail Bill Number: 3159 Customer Name: Akshit Phone Number8433599878 -----Price Products Sanitizer 30 Wheat 2 20 7 70 Mazza Rs. 1.5 Medical Tax Rs. 100.0 Grocery Tax Cold Drinks Tax Rs. 7.0 Total Bil: Rs.228.5 **Link of Project: Billing Software**