K. J. Somaiya Polytechnic, Mumbai-77

Batch No: C2

Enrollment No.: FCOG21723 & FCOG21744

Micro Project Name: Billing Software

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:

This PC > Local Disk (D:)

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

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PythonProject3159 - Notepad
File  Edit  Format  View  Help
         Welcome  Webcode  Retail
 Bill Number:3159
Customer  Name:Akshit
Phone Number8433599878
=================================
Products                QTY            Price
 Sanitizer              6              30
 Wheat         2               20
 Mazza         7               70
 Medical Tax                  Rs. 1.5
 Grocery Tax                  Rs. 100.0
 Cold Drinks Tax                      Rs. 7.0
 Total Bil:                   Rs.228.5
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```

Link of Project:

Billing Software