BVRIT HYDERABAD

College Of Engineering For Women

CSE-A

MAGIC STICKS

Team-11

ROLL NUMBERS :

GAYATRI-22WH1A0554

ANANYA-22WH1A0551

SOWMYA-22WH1A0552

AKSHAYA-22WH1A0553

RUCHIKA-22WH1A0555

Introduction to Problem statement

- We are to create a polygon taking number of sides and length of the sides as input
- Such that the polygon formed is a maximum area polygon.And we need to find the total enclosed area of the polygon.
- The input contains several test cases.the first line of each test case contains an integer n(1<= n <= 500) which indicates the number of segments.
- The next line contains n integers s1,s2,...,sn(1<=si<=1000) which indicates the length of the segments.

- MODULES/PACKAGES USED:

modules/packages
tkinter
math
turtle
threading
windsound

EXPLANATION OF PACKAGES:

- *tkinter (messagebox class):* - Part of the ‘tkinter‘ package. - Provides a way to create and display various types of popup message boxes in a GUI.

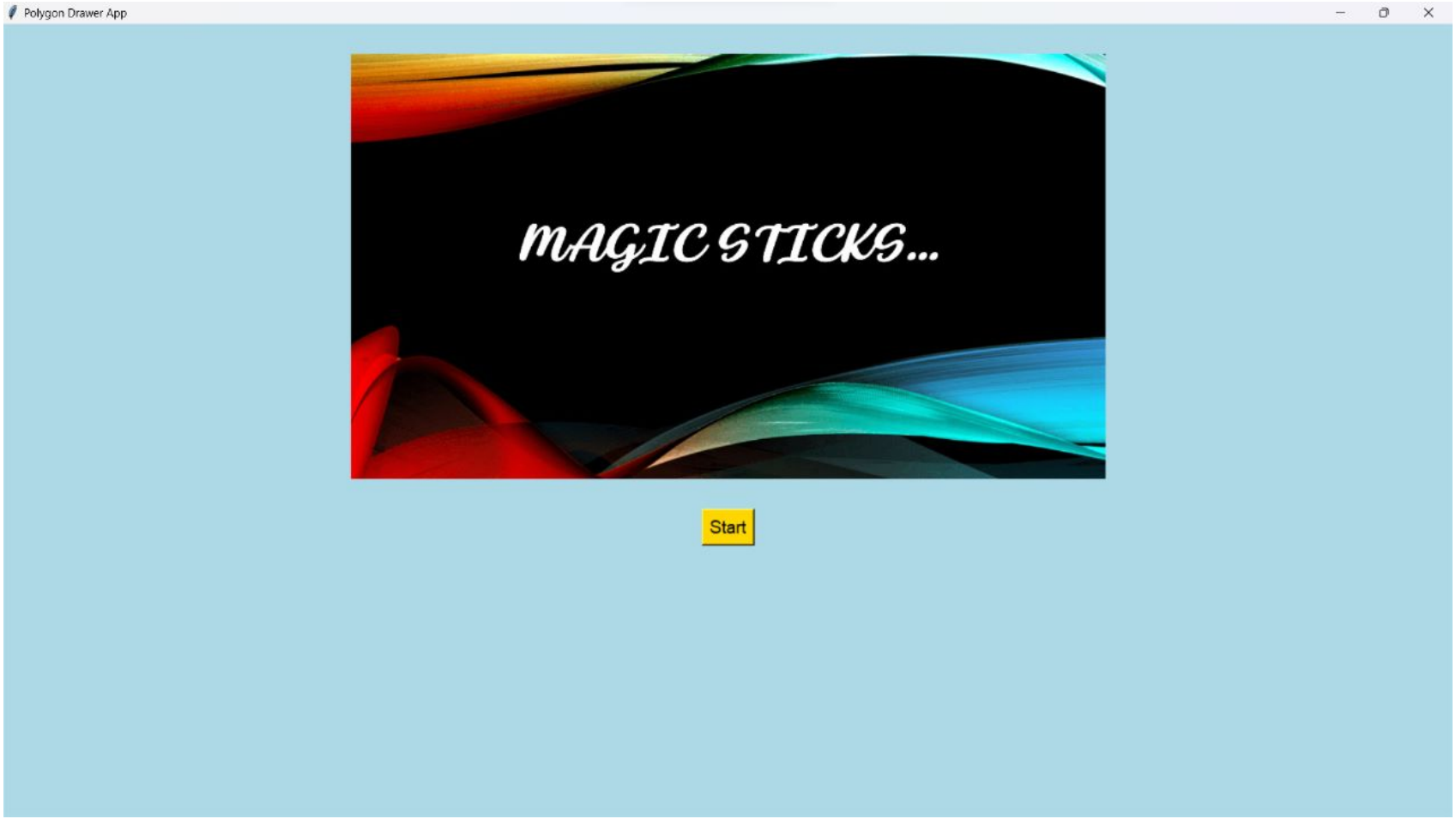
EXPLANATION OF MODULES:

- math: - Provides mathematical functions and constants. - Used for trigonometric calculations (‘cos‘, ‘sin‘) and constants like ‘pi‘.
- turtle: - Provides a graphics environment to draw shapes and patterns. - Used for creating the visual representation of the polygon.
- tkinter: - Provides tools for creating graphical user interfaces (GUIs). - Used for creating windows, buttons, labels, and handling user interactions.
- threading: - Provides support for creating and managing threads (concurrent execution units). - Used to run certain parts of the application concurrently, improving responsiveness.
- winsound: - Provides functions for playing sound on Windows. - Used to play a sound when certain events occur in the application.

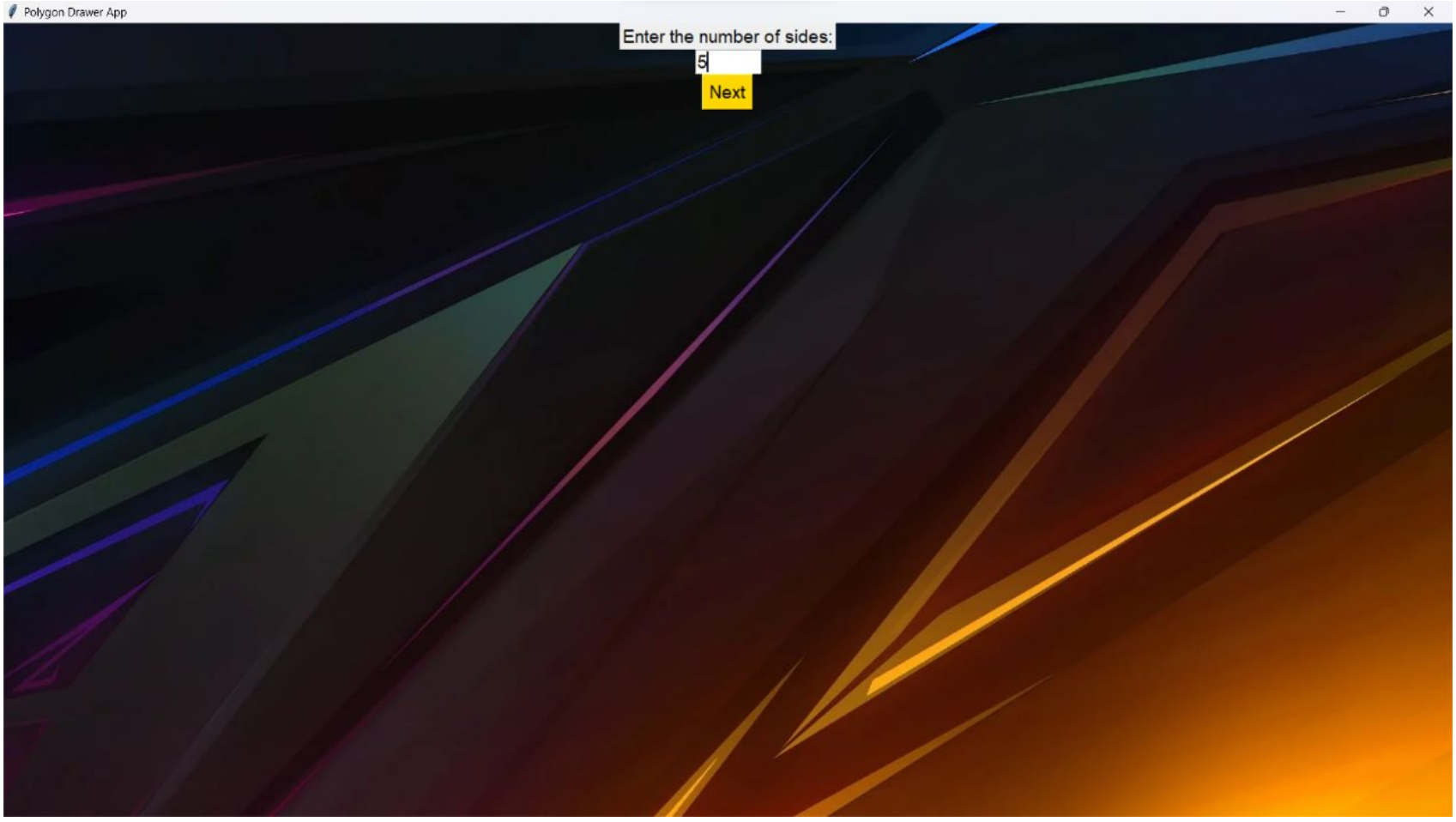
CONTRIBUTION OF TEAM MEMBERS:

DIVISION	CONTRIBUTION
Basic code	22wh1a0554,22wh1a0552
GUI	22wh1a0555,22wh1a0551,22wh1a0553
Graphics modification	22wh1a0554
Latex	22wh1a0551

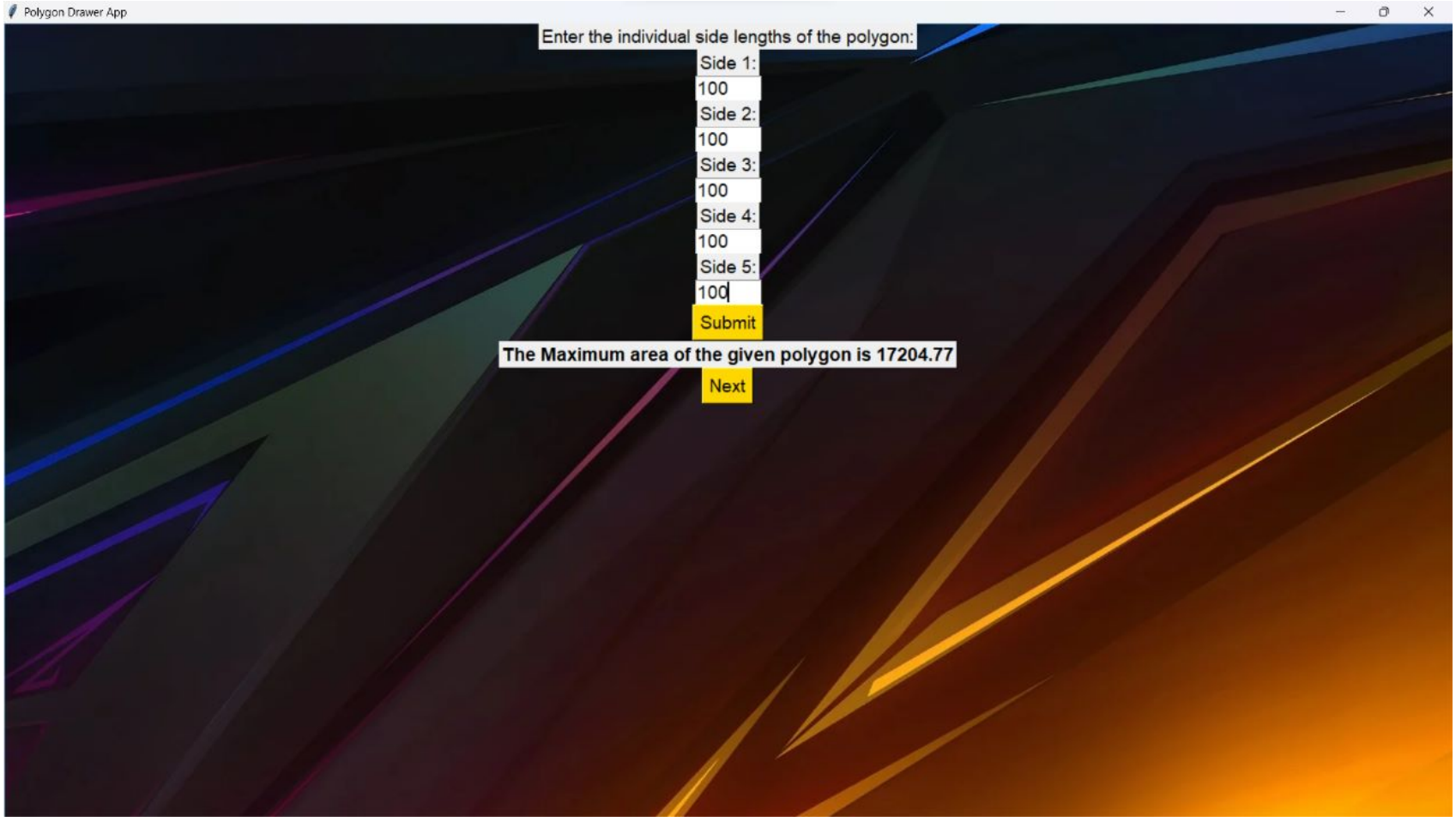
FINAL OUTPUT



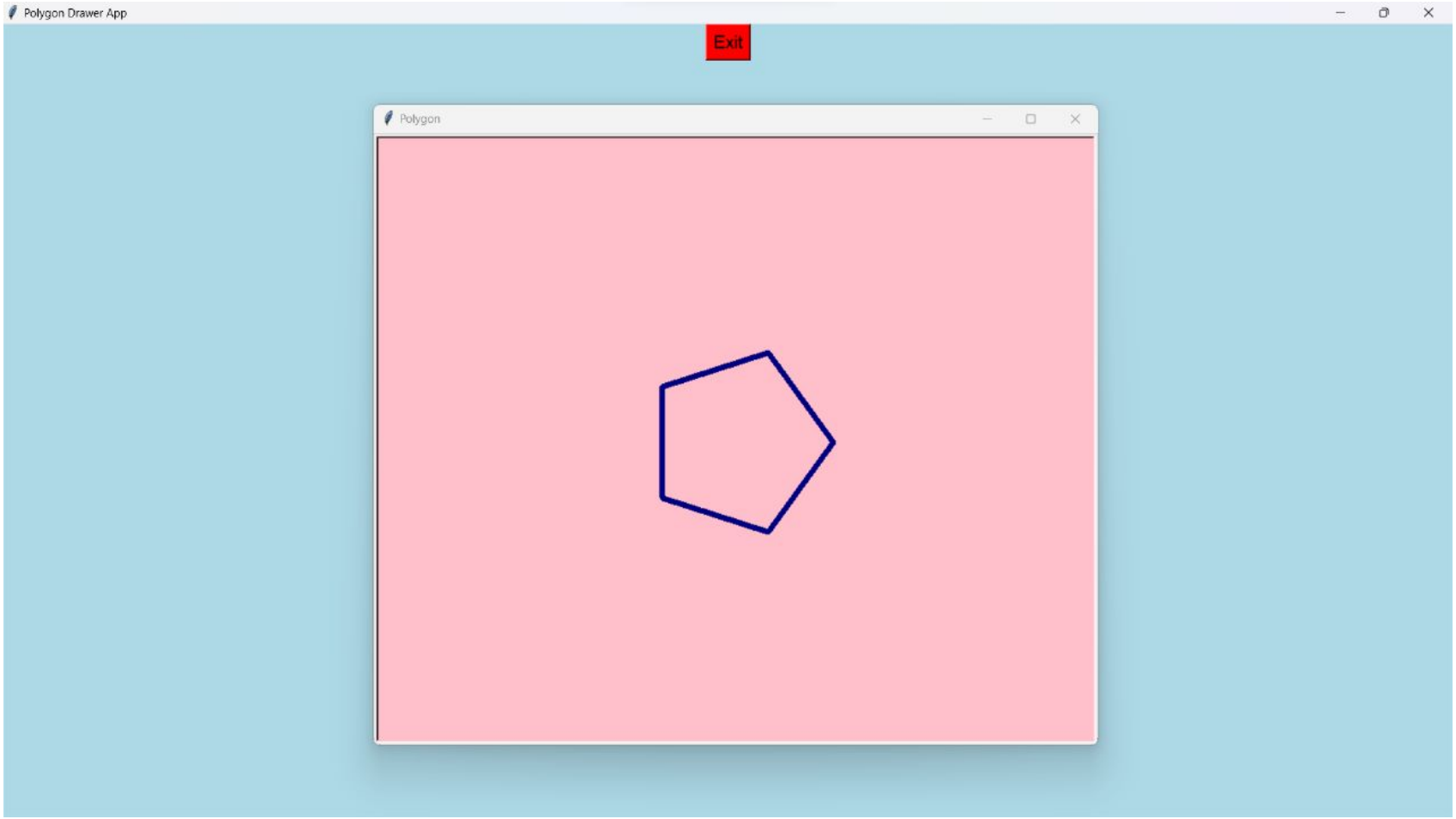
FINAL OUTPUT



FINAL OUTPUT



FINAL OUTPUT




Thank
you