This Python program is a“Graphical User Interface (GUI) implementation” of the classic “Rock-Paper-Scissors” game, built using the Tkinter library. It allows users to play against a computer in a fun and interactive way with colorful buttons, score tracking, and real-time feedback.

# **Features:**

✅ User vs. Computer Gameplay – The user selects Rock, Paper, or Scissors, while the computer makes a random choice.

✅ Winner Determination – The game follows standard rules:

Rock beats Scissors

Scissors beat Paper

Paper beats Rock

✅ Dynamic Score Tracking – Displays the current score of both the user and the computer.

✅ Real-time Feedback – Shows both the user’s and computer’s choices, along with the game result.

✅ Reset Button– Allows the user to restart the game with a fresh score.

✅ Emoji & Colorful UI – Uses emojis and background colors for a more engaging experience.

**\*How the Program Works:**

**1. User Interaction:**

- The user clicks one of the three buttons: Rock, Paper, or Scissors.

**2. Computer’s Choice:**

The program randomly selects Rock, Paper, or Scissors for the computer.

**3. Game Logic Execution:**

The winner is determined based on the user's choice and the computer's choice.

The program updates the UI to display the choices and result.

**4. Score Update:**

If the user wins, their score increases.

If the computer wins, its score increases.

If it’s a tie, the scores remain unchanged.

**5. Reset Option:**

The user can reset the game at any time to start fresh.

**Technologies Used:**

Python – Core programming language.

Tkinter – GUI framework for creating windows, buttons, and labels.

- Random Module – Generates the computer’s random choice.

**Why This Game is Fun?**

Colorful & Engaging UI – Uses bright colors and emojis to make the game visually appealing.

# **Easy to Play – Simple interface with clickable buttons for instant results.**

# **Keeps Score – Encourages users to play multiple rounds and beat the computer.**

Replayability – The reset button allows users to start over anytime.

This game is perfect for beginners learning Python, Tkinter, and basic game logic while having fun!