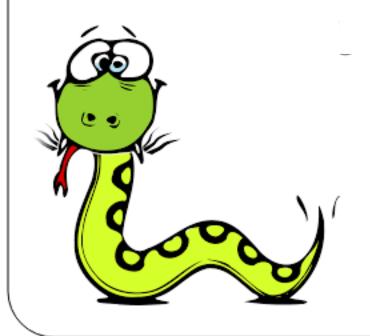


# Rock Paper Scissor Game



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### **TECHNOLOGY USED**

PYTHON





# **PYTHON**

- Python is a computer programming language often used to build websites and software, automate tasks, and conduct data analysis.
- Python is a general-purpose language, meaning it can be used to create a variety of different programs and isn't specialized for any specific problems.
- Python is a versatile and in-demand language that is one of the easiest programming languages to learn.

### FEATURES OF PYTHON

- Free and Open Source. ...
- Easy to code. ...
- Object-Oriented Language. ...
- GUI Programming Support. ...
- High-Level Language. ...
- Large Community Support. ...
- Python is a Portable language. ...
- Python is an Integrated language.

# **TKINTER**

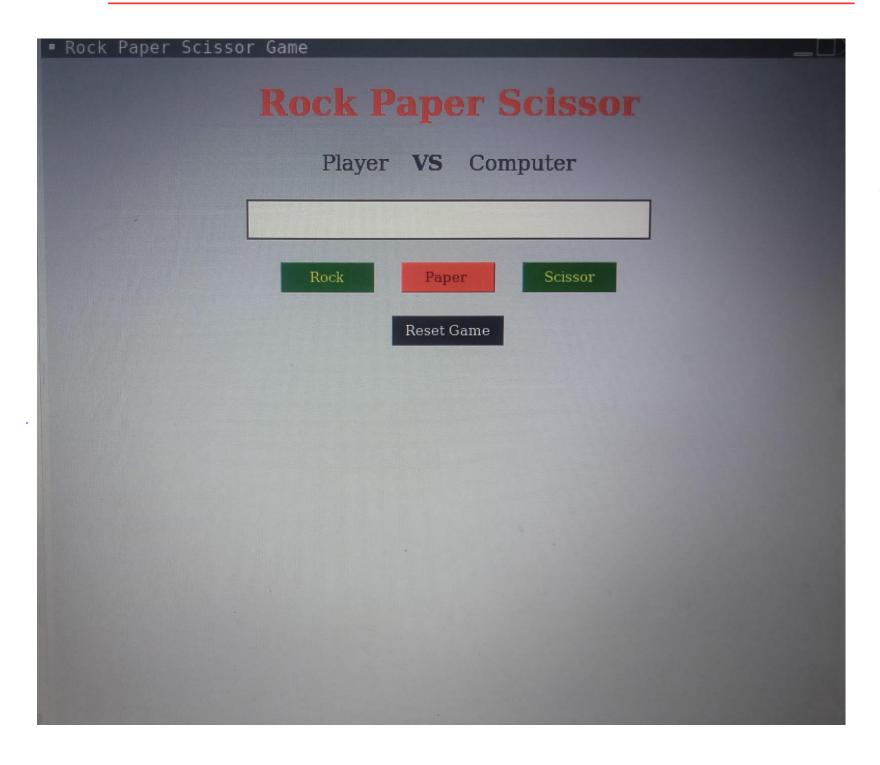
- Tkinter module in Python is a standard library in Python used for creating Graphical User Interface (GUI) for Desktop Applications.
- With the help of Tkinter developing desktop applications is not a tough task.
- An important feature in favor of Tkinter is that it is cross-platform, so the same code can easily work on Windows, macOS, and Linux.
- Tkinter is a lightweight module.

## PROJECT SOURCE CODE

```
| Stop | Stop | Papers | Paper
```

```
111 width=20,
112 fg="orange",
113 borderwidth=2,
114 relief="solid")
115 l4.pack(pady=2)
116
117 f2 = Frame(window)
118 f2.pack()
119
128 b1 = Button(f2, text="Rock", fg="yellow",bg="green",font="times 10", width=8, command=isrock)
121
122 b2 = Button(f2, text="Paper ", fg="black",bg="red" ,font="times 10", width=8, command=issaser)
123
124 b3 = Button(f2, text="Scissor",fg="yellow",bg="green", font="times 10", width=8, command=issaser)
125 b1.pack(side=LEFT, padx=12)
126 b2.pack(side=LEFT, padx=12)
127 b2.pack(side=LEFT, padx=12)
128 b3.pack(padx=12)
129
130 Button(window, text="Reset Game", font="times 10", width=8, command=issaser)
131 fg="white", font="times 10", font="tim
```

## PROJECT INTERFACE



#### **WORKING OF THE PROJECT**

First, we import randint from the random module. This is how our computer opponent will play. There are three possible plays you and the computer can make on each turn, "Rock", "Paper" and "Scissors". Once the while loop starts, the computer will patiently wait for you to make a play.

We assign a random play to the computer using our list, t, and the randint function. Why (0,2)? Remember that computers start counting at 0. So "Rock" is in the 0 position, "Paper" is in the 1, and so on. Unlike playing RPS with friends in meatspace, the computer has made its play and is waiting for you to take your turn. Also unlike playing RPS with friends in meatspace, the computer isn't go to cheat and change its play after you make yours. We set you, the player, to False. Why? I'm glad you asked. Let's take a look at the body of our program the while loop:

#### **Advantages of Rock Paper Scissor Game**

#### Some of these advantages include

- 1.Helps in Decision Making. Rock Paper Scissors is a perfect game that helps in decision-making skills. ...
- 2.Reduces Anxiety and Stress. Playing RPS is a fun way to reduce anxiety and stress. ...
- 3.Increases Social Interaction. ...
- 4. Enhances Cognitive Function. ...
- 5.Boosts Morale.

