

## Day 02-2 Rock Paper Scissors

Rock paper scissor. This one's super simple. Rock paper scissors game is also known as stone paper scissor. It is a hand game that is usually played between 2 people, each player can randomly from their hand.

A player who chooses scissors will win by another player who chooses rock but loose by the player who chooses rock, a player with rock will lose by with the scissors.

If both players choose the same the game is tied. Stone paper scissors game is mainly played among children's

```
import random

def play():
    user = input("What's your choice? 'r' for rock, 'p' for paper, 's' for scissors\n")
    computer = random.choice(['r', 'p', 's'])

    if user == computer:
        return 'It\'s a tie'

    # r > s, s > p, p > r
    if is_win(user, computer):
        return 'You won!'

    return 'You lost!'

def is_win(player, opponent):
    # return true if player wins
    # r > s, s > p, p > r
    if (player == 'r' and opponent == 's') or (player == 's' and opponent == 'p') \
        or (player == 'p' and opponent == 'r'):
        return True

print(play())
```

Output:

```
Output:
> python .\rock_paper_scissor.py
What's your choice? 'r' for rock, 'p' for paper, 's' for scissors
p
It's a tie
```