Snake,WaterandGunGame.py

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```python
''' Snake, Water and Gun Game (Pyhton)
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''' Rules of the game:
    1. Sanke drinks water (snake > water)
    2. Gun kills snake  (gun > snake)
    3. Gun drowns in water (water > gun)
    '''
'''1 for snake
   -1 for water
    0 for gun
    '''
import random # Import random library to allow computer operating system for making choices

computer =  random.choice([-1,0,1])
youstr = input ("Enter your choice ")
youDict = {"s": 1, "w" : -1, "g" : 0}
reverseDict = {1: "Snake", -1: "Water" , 0: "Gun"}
you = youDict[youstr]

# Here, we have 2 number variables, you and computer

print(f"You chose {reverseDict[you]}\nComputer chose {reverseDict[computer]}")
```

```
print(f"You chose {reverseDict[you]}\nComputer chose {reverseDict[computer]}")

if (computer == you):
    print("Its a draw")

else:  # This is a perfect example of nested if else statement
    if(computer == -1 and you == 1):
        print("You Win\nCongratulations!!")

    elif(computer == -1 and you == 0):
        print("You Lose\nBetter Luck next time!!")

    elif(computer == 1 and you == 0):
        print("You Win\nCongratulations!!")

    elif(computer == 1 and you == -1):
        print("You Lose\nBetter Luck next time!!")

    elif(computer == 0 and you == -1):
        print("You Win\nCongratulations!!")

    elif(computer == 0 and you == 1):
        print("You Lose\nBetter Luck next time!!")

    else:
        print("Something went wrong")
```

```
PS D:\Coding\Python Practice> python -u "d:\Coding\Python Projects\Snake,WaterandGunGame.py"
Enter your choice s
You chose Snake
Computer chose Gun
You Lose
PS D:\Coding\Python Practice> python -u "d:\Coding\Python Projects\Snake,WaterandGunGame.py"
Enter your choice g
You chose Gun
Computer chose Gun
Its a draw
Enter your choice w
You chose Water
Computer chose Gun
You Win
Congratulations!!
Enter your choice s
You chose Snake
Computer chose Gun
You Lose
Better Luck next time!!
Enter your choice w
You chose Water
Computer chose Gun
You Win
Congratulations!!
PS D:\Coding\Python Practice> python -u "d:\Coding\Python Projects\Snake,WaterandGunGame.py"
Enter your choice g
You chose Gun
Computer chose Water
You Lose
Better Luck next time!!
PS D:\Coding\Python Practice> python -u "d:\Coding\Python Projects\Snake,WaterandGunGame.py"
Enter your choice s
You chose Snake
Computer chose Snake
Its a draw
```