PROJECT 1: Snake, Water, Gun Game in Python.

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PROJECT: We all have played Snake, Water, Gun Game in our childhood. Write a Python Program capable of playing this game with the user.

INPUT: 1

```python
# Snake Water Gun Game in Python
# The snake drinks the water, the gun shoots the snake, and gun has no effect on water.


import random
lst = ['s','w','g']


chance = 10
no_of_chance = 0
computer_point = 0
human_point = 0

print(" \t \t \t \t Snake,Water,Gun Game\n \n")
print("s for snake \nw for water \ng for gun \n")

# making the game in while
while no_of_chance < chance:
    _input = input('Snake,Water,Gun:')
    _random = random.choice(lst)

    if _input == _random:
        print("Tie Both 0 point to each \n ")

    # if user enter s
    elif _input == "s" and _random == "g":
        computer_point = computer_point + 1
        print(f"your guess {_input} and computer guess is {_random} \n")
        print("computer wins 1 point \n")
        print(f"computer_point is {computer_point} and your point is {human_point} \n ")
```
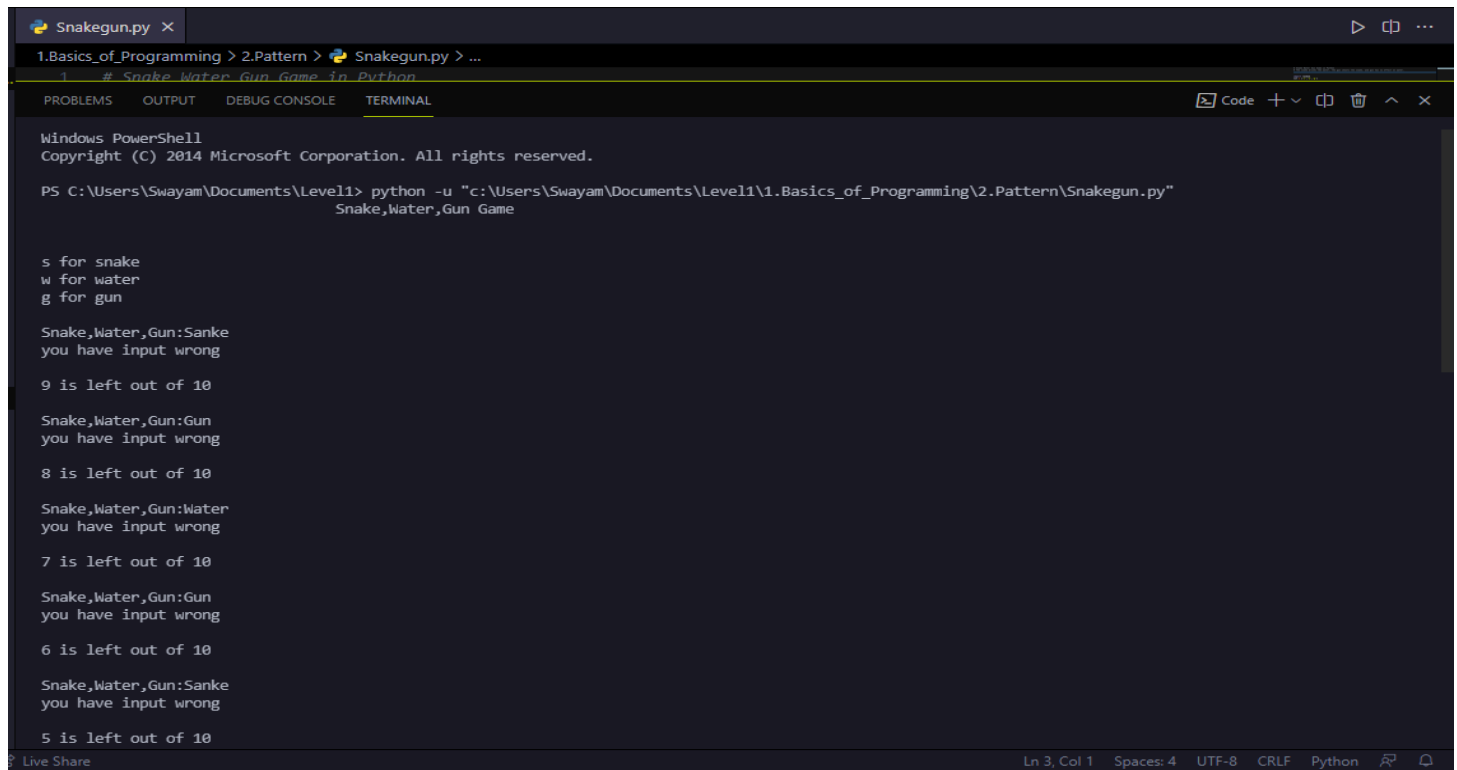
2.

```python
30
31        elif _input == "s" and _random == "w":
32            human_point = human_point + 1
33            print(f"your guess {_input} and computer guess is {_random} \n")
34            print("Human wins 1 point \n")
35            print(f"computer_point is {computer_point} and your point is {human_point} \n")
36
37        # if user enter w
38        elif _input == "w" and _random == "s":
39            computer_point = computer_point + 1
40            print(f"your guess {_input} and computer guess is {_random} \n")
41            print("computer wins 1 point \n")
42            print(f"computer_point is {computer_point} and your point is {human_point} \n ")
43
44        elif _input == "w" and _random == "g":
45            human_point = human_point + 1
46            print(f"your guess {_input} and computer guess is {_random} \n")
47            print("Human wins 1 point \n")
48            print(f"computer_point is {computer_point} and your point is {human_point} \n")
49
50        # if user enter g
51
52        elif _input == "g" and _random == "s":
53            human_point = human_point + 1
54            print(f"your guess {_input} and computer guess is {_random} \n")
55            print("Human wins 1 point \n")
56            print(f"computer_point is {computer_point} and your point is {human_point} \n")
57
58
59        elif _input == "g" and _random == "w":
60            computer_point = computer_point + 1
61            print(f"your guess {_input} and computer guess is {_random} \n")
62            print("computer wins 1 point \n")
63            print(f"computer_point is {computer_point} and your point is {human_point} \n ")
64
```

3.

```python
65        else:
66            print("you have input wrong \n")
67
68        no_of_chance = no_of_chance + 1
69        print(f"{chance - no_of_chance} is left out of {chance} \n")
70
71    print("Game over")
72
73    if computer_point==human_point:
74        print("Tie")
75
76    elif computer_point > human_point:
77        print("Computer wins and you loose")
78
79    else:
80        print("you win and computer loose")
81
82    print(f"your point is {human_point} and computer point is {computer_point}")
83
84
85
```

OUTPUT:

```
Snakegun.py  ×
1.Basics_of_Programming > 2.Pattern > Snakegun.py > ...
    1    # Snake Water Gun Game in Python

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

Windows PowerShell
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PS C:\Users\Swayam\Documents\Level1> python -u "c:\Users\Swayam\Documents\Level1\1.Basics_of_Programming\2.Pattern\Snakegun.py"
                          Snake,Water,Gun Game


s for snake
w for water
g for gun

Snake,Water,Gun:Sanke
you have input wrong

9 is left out of 10

Snake,Water,Gun:Gun
you have input wrong

8 is left out of 10

Snake,Water,Gun:Water
you have input wrong

7 is left out of 10

Snake,Water,Gun:Gun
you have input wrong

6 is left out of 10

Snake,Water,Gun:Sanke
you have input wrong

5 is left out of 10

Live Share                                          Ln 3, Col 1    Spaces: 4    UTF-8    CRLF    Python
```
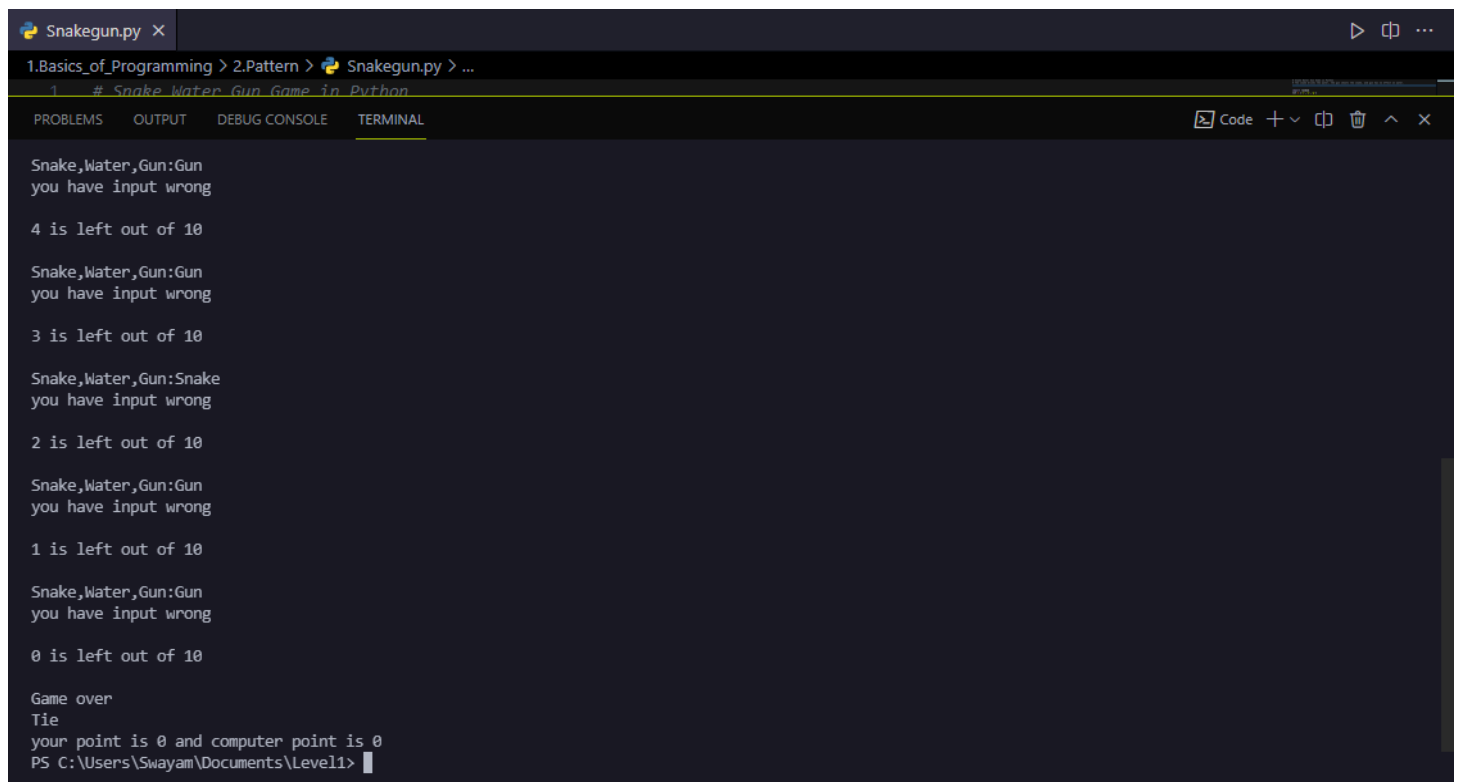
```
Snakegun.py  ×
1.Basics_of_Programming > 2.Pattern > Snakegun.py > ...
    1    # Snake Water Gun Game in Python

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

Snake,Water,Gun:Gun
you have input wrong

4 is left out of 10

Snake,Water,Gun:Gun
you have input wrong

3 is left out of 10

Snake,Water,Gun:Snake
you have input wrong

2 is left out of 10

Snake,Water,Gun:Gun
you have input wrong

1 is left out of 10

Snake,Water,Gun:Gun
you have input wrong

0 is left out of 10

Game over
Tie
your point is 0 and computer point is 0
PS C:\Users\Swayam\Documents\Level1>
```