

PROJECT :

INSTITUTE NAME : BESANT TECHNOLOGIES

PROJECT NAME : ROCK , PAPER , SCISSOR GAME.

SUBMITTED TO : MRS.GOWTHAMI

SUBMITTED BY : B.SIDDHARTH

CO-ORDINATOR NAME : AKILAN

DATE OF SUBMISSION : 13.06.2024

CONCEPTS USED IN PROJECT :

➤ INPUT FUNCTION :

The input function in python is used to get input from the user (or) the input function allows you to ask a user to type some sort of information into the program and save that information into a variable that the program can process.

➤ IF ELSE STATEMENT :

The if-else statement is used to execute both the true part and false part of a given condition. If the condition is true the , if block code will be executed (or) if the condition is false, the else block code will be executed.

The elif keyword in python stands for 'else-if'. It is used to check for multiple conditions.

➤ LOGICAL OPERATORS :

Logical operators is also known as Boolean operators. They are AND (logical AND or conjunction), OR (logical OR or disjunction) and NOT (logical NOT). Logical operators are used to combine multiple conditions together and evaluate them as single Boolean expression.

➤ **RANDOM.CHOICE() METHOD :**

The choice() method returns a randomly selected element from the specified sequence. The sequence can be a string , a range , a list , a tuple etc.

➤ **PRINT FUNCTION :**

In python , print () function is used to print the desired message or output on a device screen. Basically print () use to print the output.

SOURCE CODE :

```
import random
user1 = input("enter your option :")
print(user1)
user2 = random.choice(["rock","paper","scissor"])
print(user2)
if user1 == user2:
    print("draw !")
elif user1=="rock" and user2=="paper":
    print("user2 won !")
elif user1=="rock" and user2=="scissor":
    print("user1 won !")
elif user1=="paper" and user2=="rock":
    print("user1 won !")
elif user1=="paper" and user2=="scissor":
    print("user2 won !")
elif user1=="scissor" and user2=="rock":
    print("user2 won !")
elif user1=="scissor" and user2=="paper":
    print("user1 won !")
else:
    print("wrong option , please select rock, paper, scissor any one of the above
mentioned option")
```

DESCRIPTION OF SOURCE CODE :

LINE NO	DESCRIPTION
1	First the random module is imported in the code
2	Creating a input function to get a input from the user as user1
3	Printing the input of the user1
4	Getting random input from te computer on the name user2
5	Printing the user2 input
6	Using if statement to check whether the input from user 1 and 2 are same
7	If the user1 and user2 inputs are same it prints “draw !”
8	Elif statement is used to check user1 = rock and user2 = paper
9	If above condition is true, it prits “user2 won !”
10	Elif statement is used to check user1 = rock and user2 = scissor
11	If above condition is true, it prits “user1 won !”
12	Elif statement is used to check user1 = paper and user2 = rock
13	If above condition is true, it prits “user1 won !”
14	Elif statement is used to check user1 = paper and user2 = scissor
15	If above condition is true, it prits “user2 won !”
16	Elif statement is used to check user1 = scissor and user2 = rock
17	If above condition is true, it prits “user2 won !”
18	Elif statement is used to check user1 = scissor and user2 = paper
19	If above condition is true, it prits “user1 won !”
20	The else part comes here if the input is not mentioned as above condition , else is printed
21	If the else part is true it prints “wrong option , please select rock, paper, scissor any one of the above mentioned option”

OUTPUT :

CASE 1 :

Enter your option : hi

Hi

Rock

wrong option , please select rock, paper, scissor any one of the above mentioned option.

CASE 2 :

Enter your option : rock

rock

paper

user2 won !

CASE 3 :

Enter your option : paper

paper

rock

user1 won !

CONCLUSION :

i did python course in besant technologies and completed my project on 'ROCK , PAPER , SCISSOR GAME'. I used input function , if else statement , random module , print function and all which I have learnt from python course. After running the program 3 different output's are mentioned.