

```
# import random module
import random
# print multiline instruction
# performstring concatenation of string
print('Winning rules of the game ROCK
PAPER SCISSORS are :\n'
      + "Rock vs Paper -> Paper wins \n"
      + "Rock vs Scissors -> Rock wins \n"
      + "Paper vs Scissors -> Scissor wins
\n")
```

```
while True:
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```
    print("Enter your choice \n 1 - Rock \n
2 - Paper \n 3 - Scissors \n")
```

```
    # take the input from user
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```
    choice=int(input("Enter your
choice :"))
```

OR is the short-circuit operator
if any one of the condition is true
then it return True value

**# looping until user enter invalid
input**

while choice > 3 or choice < 1:
**choice=int(input('Enter a valid
choice please 😊'))**

**# initialize value of choice_name
variable**

corresponding to the choice value
if choice == 1:

choice_name= 'Rock'

elif choice == 2:

choice_name= 'Paper'

else:

choice_name= 'Scissors'

print user choice

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print('User choice is \n',choice_name)
print('Now its Computers Turn....')
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```
# Computer chooses randomly any
number
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# among 1 , 2 and 3. Using randint
method
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```
# of random module
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```
comp_choice = random.randint(1,3)
```

```
# looping until comp_choice value
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```
# is equal to the choice value
```

```
while comp_choice == choice:
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```
    comp_choice = random.randint(1,3)
```

```
# initialize value of
```

```
comp_choice_name
```

```
# variable corresponding to the
choice value
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```
if comp_choice == 1:
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```
    comp_choice_name = 'rock'
```

```
elif comp_choice == 2:
    comp_choice_name = 'paper'
else:
    comp_choice_name = 'scissor'
print("Computer choice is \n",
comp_choice_name)

print(choice_name,'Vs',comp_choice_name)

# we need to check of a draw
if choice == comp_choice:
    print('Its a Draw',end="")
    result="DRAW"
# condition for winning
if (choice==1 and comp_choice==2):
    print('paper wins =>',end="")
    result='paper'
elif (choice==2 and comp_choice==1):
    print('paper wins =>',end="")
    result='Paper'
```

```
if (choice==1 and comp_choice==3):  
    print('Rock wins ==>\n',end= "")  
    result='Rock'  
elif (choice==3 and comp_choice==1):  
    print('Rock wins ==>\n',end= "")  
    result='rock'
```

```
if (choice==2 and comp_choice==3):  
    print('Scissors wins ==>',end="")  
    result='scissor'  
elif (choice==3 and  
comp_choice==2):  
    print('Scissors wins ==>',end="")  
    result='Rock'  
# Printing either user or computer  
wins or draw
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```
if result == 'DRAW':  
    print("<== Its a tie ==>")  
if result == choice_name:  
    print("<== User wins ==>")
```

else:

print("<== Computer wins ==>")

**print("Do you want to play again? (Y/
N)")**

**# if user input n or N then condition
is True**

ans = input().lower

if ans == 'n':

break

after coming out of the while loop

we print thanks for playing

print("thanks for playing")