Practical No-6

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TE-B 21CO072

import random

def greet(bot\_name, birth\_year):

    print("Hello! My name is {0}.".format(bot\_name))

    print("I was created in {0}.".format(birth\_year))

def remind\_name():

    print('Please, remind me your name.')

    name = input()

    print("What a great name you have, {0}!".format(name))

def guess\_age():

    print('Let me guess your age.')

    print('Enter remainders of dividing your age by 3, 5 and 7.')

    rem3 = int(input())

    rem5 = int(input())

    rem7 = int(input())

    age = (rem3 \* 70 + rem5 \* 21 + rem7 \* 15) % 105

    print("Your age is {0}; that's a good time to start programming!".format(age))

def count():

    print('Now I will prove to you that I can count to any number you want.')

    num = int(input())

    counter = 0

    while counter <= num:

        print("{0} !".format(counter))

        counter += 1

def test():

    print("Let's test your programming knowledge.")

    print("Why do we use methods?")

    print("1. To repeat a statement multiple times.")

    print("2. To decompose a program into several small subroutines.")

    print("3. To determine the execution time of a program.")

    print("4. To interrupt the execution of a program.")

    answer = 2

    guess = int(input())

    while guess != answer:

        print("Please, try again.")

        guess = int(input())

        print('Completed, have a nice day!')

        print('.................................')

        print('.................................')

        print('.................................')

def game():

    sample=["rock","paper","scissor"]

    comp=random.randint(0,2)

    compChoice=sample[comp]

    finish=False

    compScore=0

    userScore=0

    while(finish==False):

        user=(input("Enter your choice r:rock p:paper s:scissor -->  "))

        if(user not in ["r","p","s"]):

            print("Enter a valid input")

        if((user=="r" and compChoice=="rock")|(user=="p" and compChoice=="paper")|(user=="s" and compChoice=="scissor")):

            print("Computer's Choice is ",compChoice)

            print("OHHH its a tie, nice fight")

        elif((user=="r" and compChoice=="paper")|(user=="p" and compChoice=="scissor")|(user=="s" and compChoice=="rock")):

            print("Computer's Choice is ",compChoice)

            print("I win ")

            compScore+=1

        else:

            print("Computer's Choice is ",compChoice)

            print("Congrats you won")

            userScore+=1

        choice=input("Do you wanna fight again : y-->yes n-->no : ")

        if(choice=="n"):

            finish=True

            print("Your score is " ,userScore)

            print("My score is",compScore)

            if(userScore>compScore):

                print("You won the fight")

            elif(userScore<compScore):

                print("I won the fight")

            else:

                print("OHH !! its a tie ")

def end():

    print('Congratulations, have a nice day!')

    print('.................................')

    print('.................................')

    print('.................................')

    input()

# greet('TE-Chatbot', '2022') # change it as you need

# remind\_name()

# guess\_age()

# count()

game()

# test()

# end()

OUTPUT:

Enter your choice r:rock p:paper s:scissor --> r

Computer's Choice is rock

OHHH its a tie, nice fight

Do you wanna fight again : y-->yes n-->no : y

Enter your choice r:rock p:paper s:scissor --> p

Computer's Choice is rock

Congrats you won

Do you wanna fight again : y-->yes n-->no : y

Enter your choice r:rock p:paper s:scissor --> s

Computer's Choice is rock

I win

Do you wanna fight again : y-->yes n-->no : n

Your score is 1

My score is 1

OHH !! its a tie