CLAYTON DALE TAMBIS 02/18/2024

TW24

**CODE:**

import os as s

again = True

def divide(num = 0, deno = 0):

    print("=======================================")

    if deno == 0:

        return None

    else:

        return int(num) / int(deno)

def exponent(base = 0, exp = 0):

    print("=======================================")

    exp = base \*\* exp

    return exp

def remainder(num = 0, deno = 0):

    rem = 0

    print("=======================================")

    if deno == 0:

        return None

    else:

        return int(num) % int(deno)

def summation(lr = 0 , up = 0):

    sum = 0

    print("=======================================")

    if lr > up:

        return None

    else:

        for x in range(lr, up+1):

            sum += x

        return sum

def operation(choice):

    print("=======================================")

    if choice == "d":

        x = int(input("Enter the First number: \t"))

        y = int(input("Enter the Second number: \t"))

        print("Quotient: \t\t\t{}".format(divide(x, y)))

        s.system("pause")

        s.system("cls")

    elif choice == "e":

        x = int(input("Enter the First number: \t"))

        y = int(input("Enter the Second number: \t"))

        print("Result: \t\t\t{}".format(exponent(x, y)))

        s.system("pause")

        s.system("cls")

    elif choice == "r":

        x = int(input("Enter the First number: \t"))

        y = int(input("Enter the Second number: \t"))

        print("Remainder: \t\t\t{}".format(remainder(x, y)))

        s.system("pause")

        s.system("cls")

    elif choice == "f":

        x = int(input("Enter the First number: \t"))

        y = int(input("Enter the Second number: \t"))

        print("Summation: \t\t\t{}".format(summation(x, y)))

        s.system("pause")

        s.system("cls")

    elif choice == "x":

        s.system("cls")

        print("Exiting the program...")

        again = False

        exit()

    else:

        print("Invalid choice")

while again == True:

    print("=======================================")

    print("[D.] - Divide")

    print("[E.] - Exponentation")

    print("[R.] - Remainder")

    print("[F.] - Summation")

    print("[X.] - Exit")

    print("=======================================")

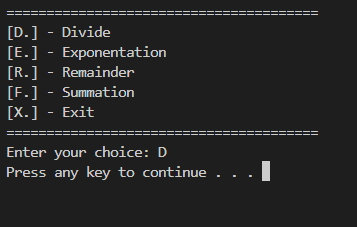
    choice = input("Enter your choice: ").lower()

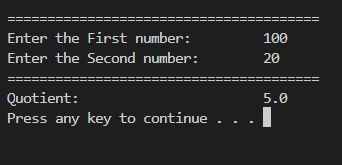
    s.system("pause")

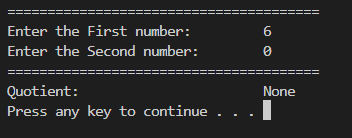
    s.system("cls")

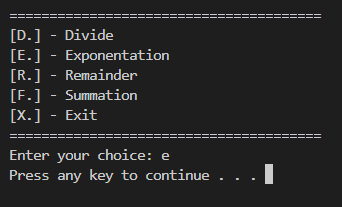
    operation(choice)

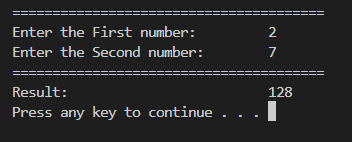
**OUTPUT:**

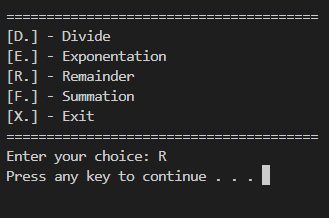
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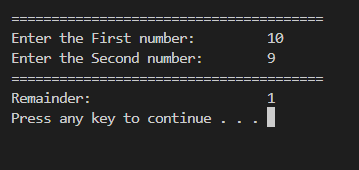
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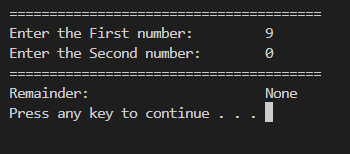
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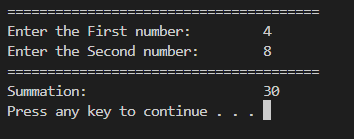
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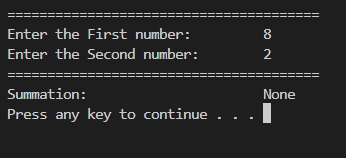
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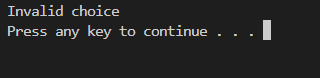
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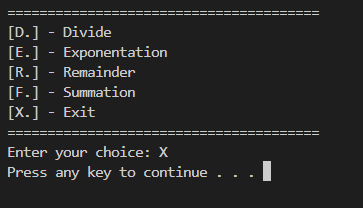
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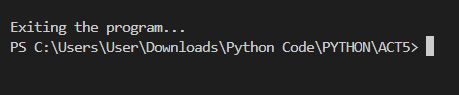
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