

Semana 12

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```
print("Semana No.12; Ejercicio 1")
op=str(input("ingrese una opcion \n a. Sumatoria \n b. Factorial \n c.
Tablas de Multiplicas\n d. Numero perfeto"))
i=0
r=0
titulofila=""
match op:
    case "a":
        n=int(input("ingrese un numero entero positivo"))
        if (n>0):
            for i in range (1, n+1):
                r += i

            print(f"la sumatoria es ", r)
        else:
            print("Numero no valido")

    case "b":
        n=int(input("ingrese un numero entero positivo"))
        if (n>0):
            for i in range (1, n+1):
                r= r*i
            print(f"el factorial es ", r)
        else:
            print("Numero no valido")
    case "c":
        titulocol="\t"
        for i in range(1, 11):
            titulocol += str(i)+"\t"
        print(titulocol)
        textofila=""
        for fila in range(1,11):
            textofila = str(fila)+ "\t"
            for col in range (1,11):
                textofila += str(fila*col)+"\t"

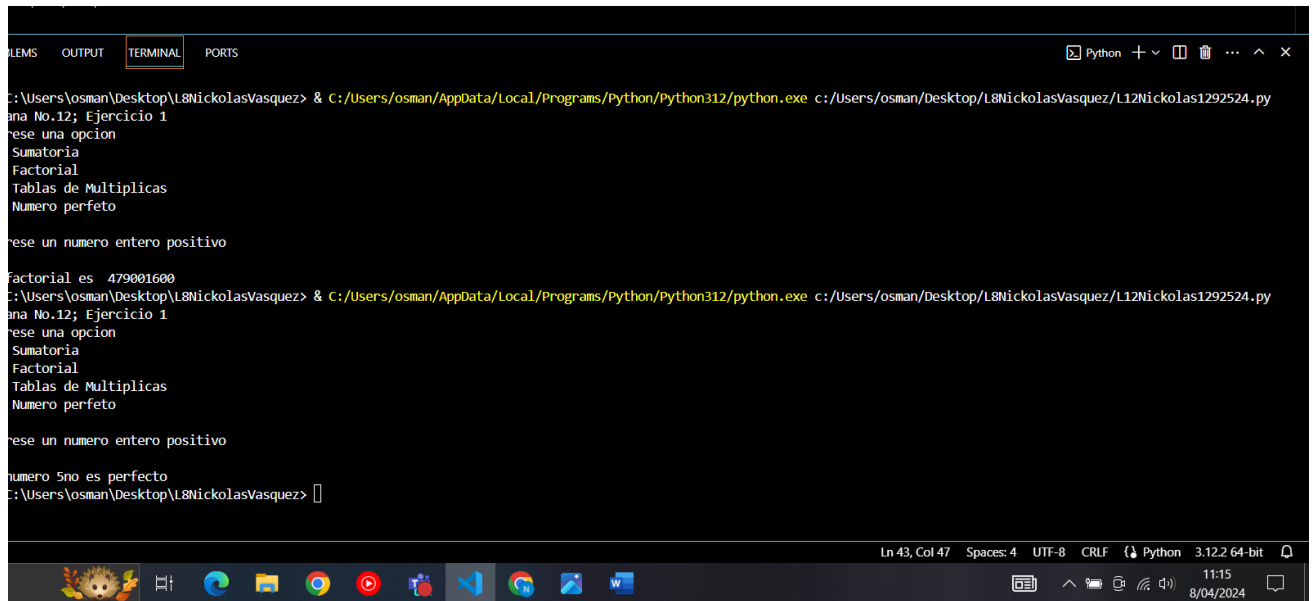
    case "d":
        n=int(input("ingrese un numero entero positivo"))
        a=0
        for i in range(1, n//2+1):
            if (n%i ==0):
                a += i
```

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        if (a==n):
            print("el numero "+ str(n)+ "es perfecto")
        else:
            print("el numero "+ str(n)+ "no es perfecto")
    case _:
        print("valor no valido")

```

resultado b y d



The screenshot shows a Windows terminal window with the following content:

```

C:\Users\osman\Desktop\L8NickolasVasquez> & C:/Users/osman/AppData/Local/Programs/Python/Python312/python.exe c:/Users/osman/Desktop/L8NickolasVasquez/L12Nickolas1292524.py
ana No.12; Ejercicio 1
rese una opcion
Sumatoria
Factorial
Tablas de Multiplicas
Numero perfeto

rese un numero entero positivo
Factorial es 479001600
C:\Users\osman\Desktop\L8NickolasVasquez> & C:/Users/osman/AppData/Local/Programs/Python/Python312/python.exe c:/Users/osman/Desktop/L8NickolasVasquez/L12Nickolas1292524.py
ana No.12; Ejercicio 1
rese una opcion
Sumatoria
Factorial
Tablas de Multiplicas
Numero perfeto

rese un numero entero positivo
numero 5no es perfecto
C:\Users\osman\Desktop\L8NickolasVasquez>

```

The terminal window has tabs for FILES, OUTPUT, TERMINAL (selected), and PORTS. The status bar at the bottom shows 'Ln 43, Col 47', 'Spaces: 4', 'UTF-8', 'CRLF', 'Python 3.12.2 64-bit', and the time '11:15' on '8/04/2024'.