



*Universidad Nacional Autónoma de México*

*Facultad de Estudios Superiores Aragón*



Ingeniería en  
Computación

Diseño y análisis de  
algoritmos

## **TAREA 2**

**Alumno: Velazco Martínez Brayan**

**Profesor: Hernández Cabrera  
Jesús**

FileEditSelectionViewGoRunTerminalHelp

Runs and Debugs

Run and Debug

To customize Run and Debug create a launch.json file.

Show automatic Python configurations

BREAKPOINTS

Raised Exceptions

Uncaught Excep...

User Uncaught E...

busquedaLineal.py

1def linearSearchCount(myArray, targetValue):  
2    comparisonsMade = 0  
3    sizeArray = len(myArray)  
4  
5    for indexPos in range(sizeArray):  
6        comparisonsMade += 1  
7        if myArray[indexPos] == targetValue:  
8            return comparisonsMade  
9    return comparisonsMade  
10  
11 dataArray = [12, 45, 23, 51, 19, 8, 33]  
12 searchFor = 19  
13 print("Comparaciones realizadas:", linearSearchCount(dataArray, searchFor))  
14

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

Python Debug Console

PS C:\Users\braya\Downloads\Tarea 2 DyADA> & 'c:\Users\braya\AppData\Local\Programs\Python\Python312\python.exe' 'c:\Users\braya\.vscode\extensions\ms-python.debugpy-2025.10.0-win32-x64\bundled\libs\debugpy\launcher' '60106' '--' 'C:\Users\braya\Downloads\Tarea 2 DyADA\busquedaLineal.py'  
Comparaciones realizadas: 5  
PS C:\Users\braya\Downloads\Tarea 2 DyADA>

CHAT

Build workspace

Show project config

Review AI output carefully before use.

ÚLTIMA HORA

Arranca sesión...

22:24

1/9/2025