



Seminario de Algoritmia

CLAVE: I59556

NRC: 59556

2022B

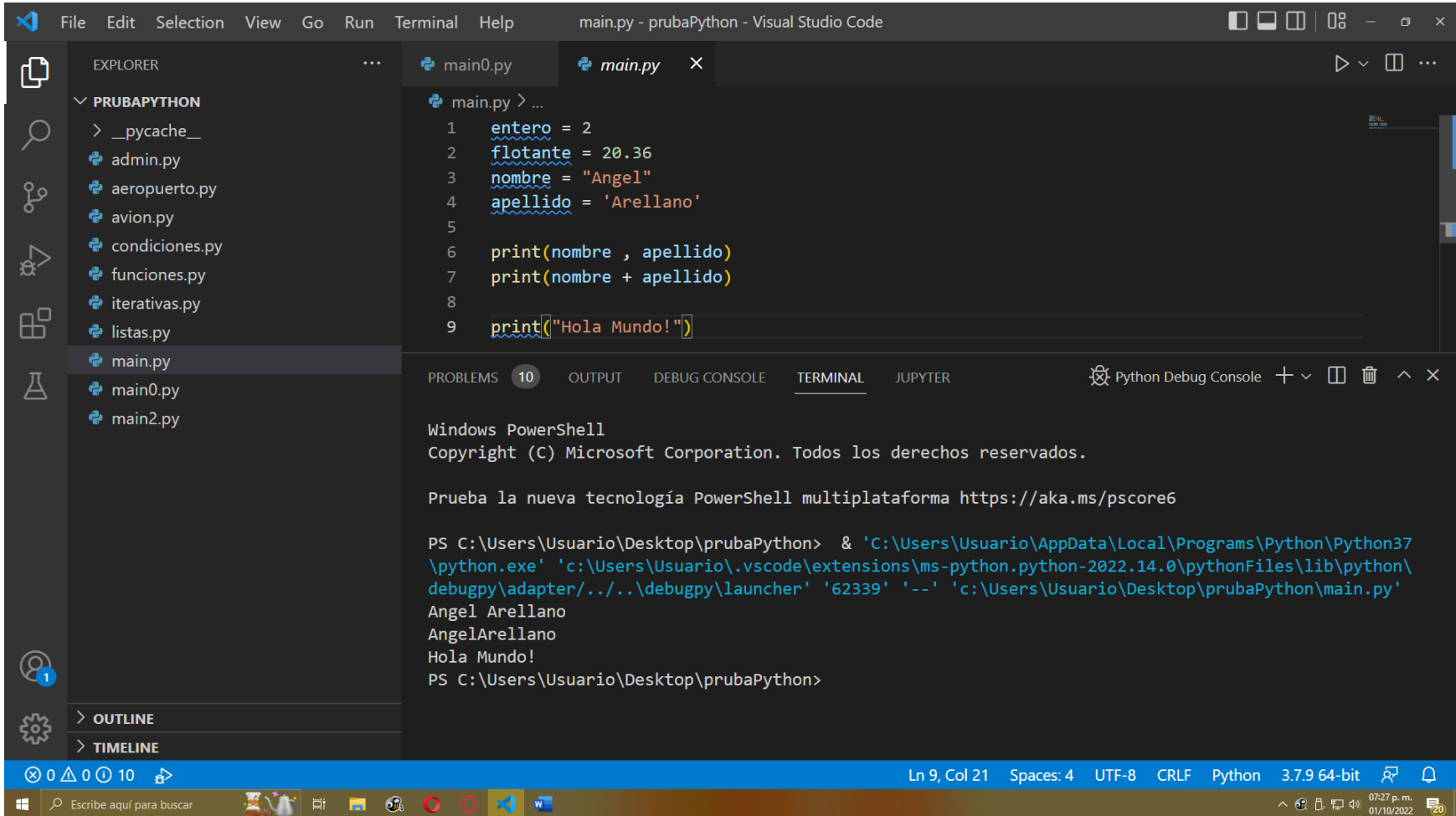
D14

Introducción a la Python Evidencia

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Ejercicio 1:



```
File Edit Selection View Go Run Terminal Help main.py - prubaPython - Visual Studio Code
```

EXPLORER

- PRUBAPYTHON
 - __pycache__
 - admin.py
 - aeropuerto.py
 - avion.py
 - condiciones.py
 - funciones.py
 - iterativas.py
 - listas.py
 - main.py
 - main0.py
 - main2.py

main.py > ...

```
1 entero = 2
2 flotante = 20.36
3 nombre = "Angel"
4 apellido = 'Arellano'
5
6 print(nombre , apellido)
7 print(nombre + apellido)
8
9 print("Hola Mundo!")
```

PROBLEMS 10 OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Python Debug Console

Windows PowerShell
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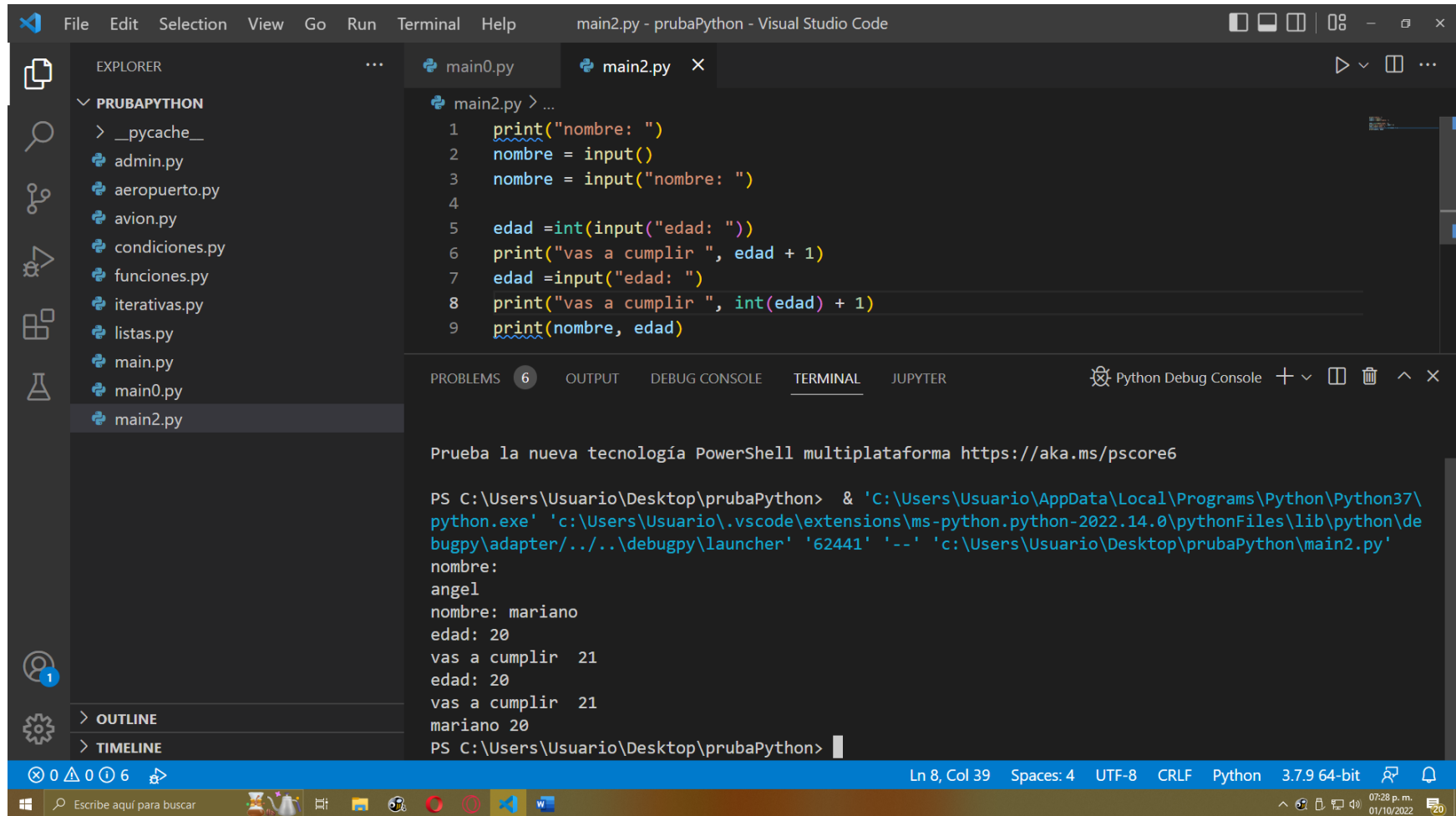
Prueba la nueva tecnología PowerShell multiplataforma <https://aka.ms/pscore6>

PS C:\Users\Usuario\Desktop\prubaPython> & 'C:\Users\Usuario\AppData\Local\Programs\Python\Python37\python.exe' 'c:\Users\Usuario\.vscode\extensions\ms-python.python-2022.14.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '62339' '--' 'c:\Users\Usuario\Desktop\prubaPython\main.py'

Angel Arellano
AngelArellano
Hola Mundo!
PS C:\Users\Usuario\Desktop\prubaPython>

Ln 9, Col 21 Spaces: 4 UTF-8 CRLF Python 3.7.9 64-bit 07:27 p.m. 01/10/2022

Ejercicio 2:



The screenshot shows the Visual Studio Code interface with a file explorer on the left, a code editor in the center, and a terminal at the bottom. The file explorer shows a project named 'PRUBAPYTHON' with several files, including 'main2.py'. The code editor displays the content of 'main2.py', which is a Python script that prompts the user for their name and age, and then prints the age plus one. The terminal shows the command to run the script, the input provided by the user, and the output of the script.

```
File Edit Selection View Go Run Terminal Help main2.py - prubaPython - Visual Studio Code
```

EXPLORER

- PRUBAPYTHON
 - __pycache__
 - admin.py
 - aeropuerto.py
 - avion.py
 - condiciones.py
 - funciones.py
 - iterativas.py
 - listas.py
 - main.py
 - main0.py
 - main2.py

main2.py > ...

```
1 print("nombre: ")
2 nombre = input()
3 nombre = input("nombre: ")
4
5 edad =int(input("edad: "))
6 print("vas a cumplir ", edad + 1)
7 edad =input("edad: ")
8 print("vas a cumplir ", int(edad) + 1)
9 print(nombre, edad)
```

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL JUPYTER Python Debug Console

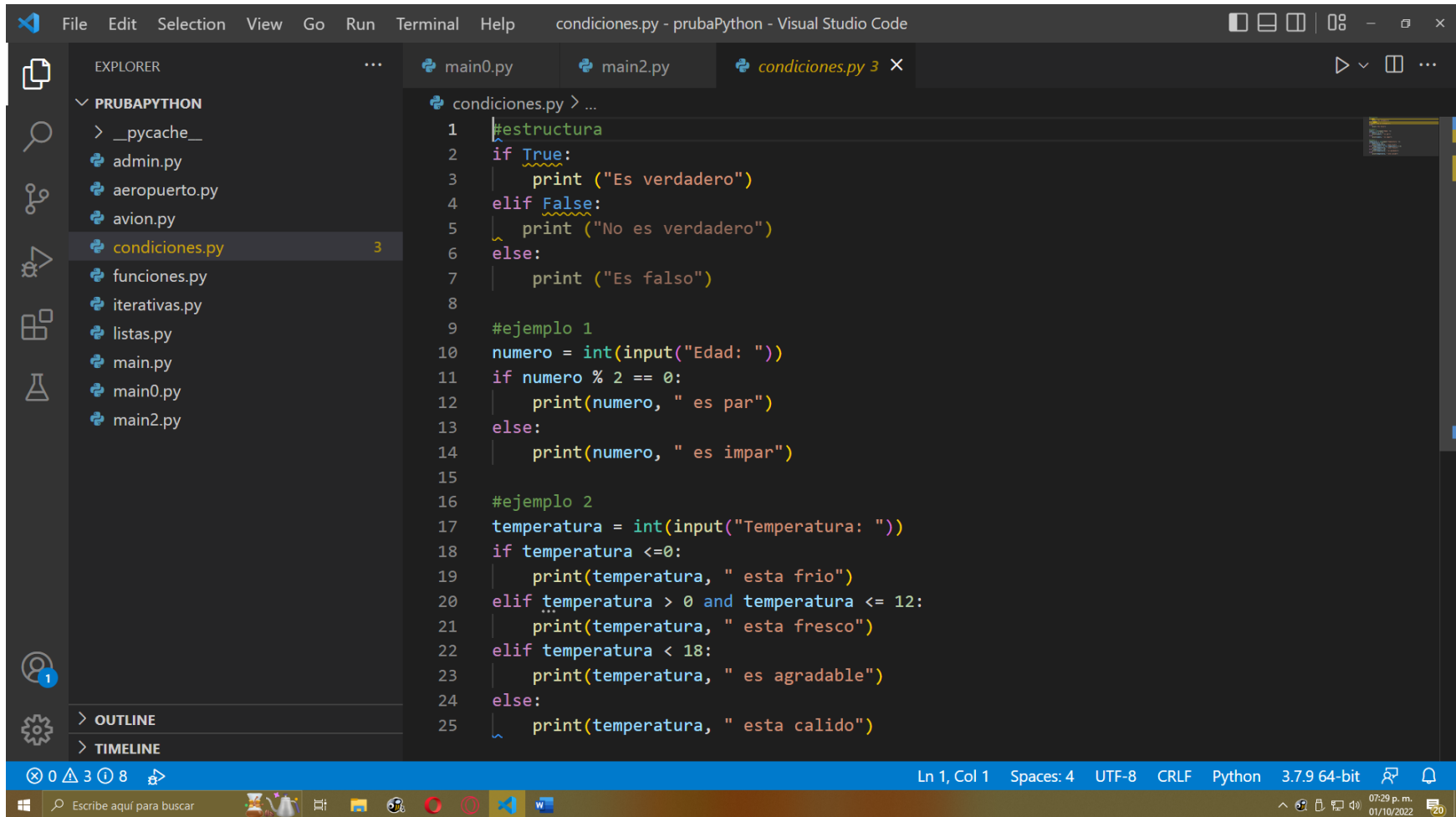
Prueba la nueva tecnología PowerShell multiplataforma <https://aka.ms/pscore6>

```
PS C:\Users\Usuario\Desktop\prubaPython> & 'C:\Users\Usuario\AppData\Local\Programs\Python\Python37\python.exe' 'c:\Users\Usuario\.vscode\extensions\ms-python.python-2022.14.0\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '62441' '--' 'c:\Users\Usuario\Desktop\prubaPython\main2.py'
nombre:
angel
nombre: mariano
edad: 20
vas a cumplir 21
edad: 20
vas a cumplir 21
mariano 20
PS C:\Users\Usuario\Desktop\prubaPython>
```

Ln 8, Col 39 Spaces: 4 UTF-8 CRLF Python 3.7.9 64-bit

07:28 p.m. 01/10/2022

Ejercicio 3:



The image shows a screenshot of the Visual Studio Code editor interface. The Explorer panel on the left displays a project named 'PRUBAPYTHON' with several Python files. The file 'condiciones.py' is selected and open in the main editor. The code in the editor consists of two examples of conditional logic. The first example, labeled '#estructura', shows a basic if-elif-else structure. The second example, labeled '#ejemplo 1', checks if a number is even or odd. The third example, labeled '#ejemplo 2', checks temperature ranges to determine if it's cold, fresh, pleasant, or hot. The status bar at the bottom indicates the current line and column (Ln 1, Col 1), the number of spaces (4), the encoding (UTF-8), the line endings (CRLF), the interpreter (Python 3.7.9 64-bit), and the system clock (07:29 p.m. 01/10/2022).

```
1 #estructura
2 if True:
3     print ("Es verdadero")
4 elif False:
5     print ("No es verdadero")
6 else:
7     print ("Es falso")
8
9 #ejemplo 1
10 numero = int(input("Edad: "))
11 if numero % 2 == 0:
12     print(numero, " es par")
13 else:
14     print(numero, " es impar")
15
16 #ejemplo 2
17 temperatura = int(input("Temperatura: "))
18 if temperatura <=0:
19     print(temperatura, " esta frio")
20 elif temperatura > 0 and temperatura <= 12:
21     print(temperatura, " esta fresco")
22 elif temperatura < 18:
23     print(temperatura, " es agradable")
24 else:
25     print(temperatura, " esta calido")
```

Ejercicio 4:

