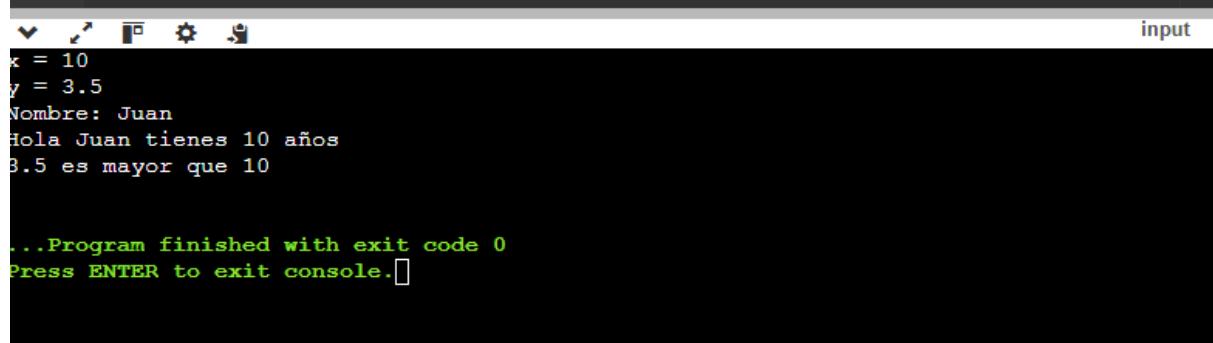


Ramirez Manriquez Luis Fernando

Capturas

```
1 x = 10
2 y = 3.5
3 nombre = "Juan"
4
5 print("x =", x)
6 print("y =", y)
7 print("Nombre:", nombre)
8
9 print("Hola {} tienes {} años".format(nombre, x))
10 print("{} es mayor que {}".format(x, y))
11
12
13
```

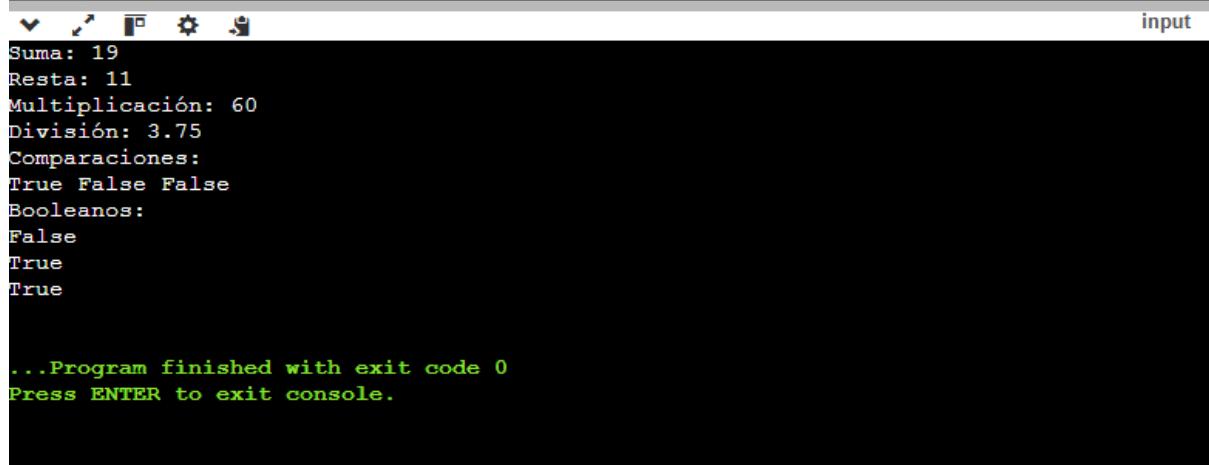


The screenshot shows a terminal window with a dark background. At the top, there's a toolbar with icons for file operations like open, save, and settings. To the right of the toolbar, the word "input" is displayed. Below the toolbar, the terminal window contains the following text:

```
x = 10
y = 3.5
Nombre: Juan
Hola Juan tienes 10 años
3.5 es mayor que 10

...Program finished with exit code 0
Press ENTER to exit console.[]
```

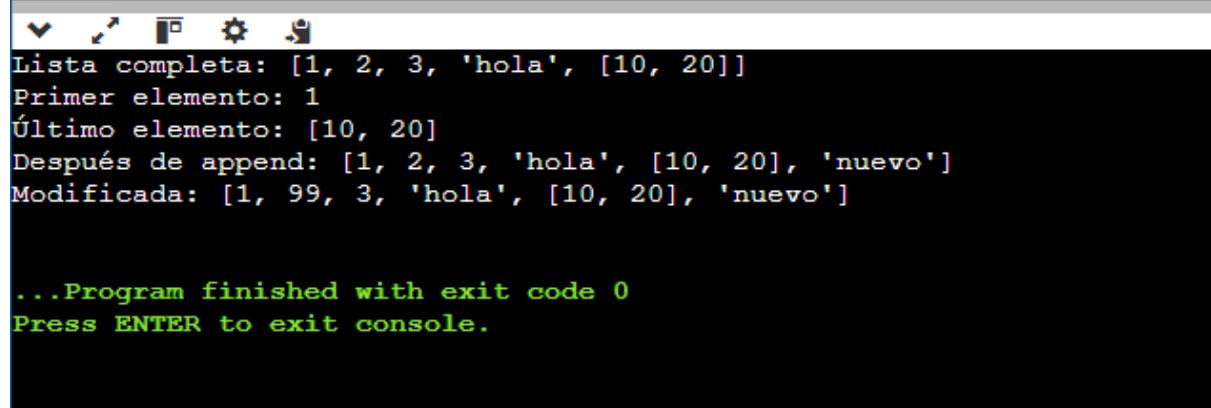
```
1 a = 15
2 b = 4
3
4 print("Suma:", a + b)
5 print("Resta:", a - b)
6 print("Multiplicación:", a * b)
7 print("División:", a / b)
8
9 print("Comparaciones:")
10 print(a > b, a < b, a == b)
11
12 print("Booleanos:")
13 print(True and False)
14 print(True or False)
15 print(not False)
16
```



```
Suma: 19
Resta: 11
Multiplicación: 60
División: 3.75
Comparaciones:
True False False
Booleanos:
False
True
True

...Program finished with exit code 0
Press ENTER to exit console.
```

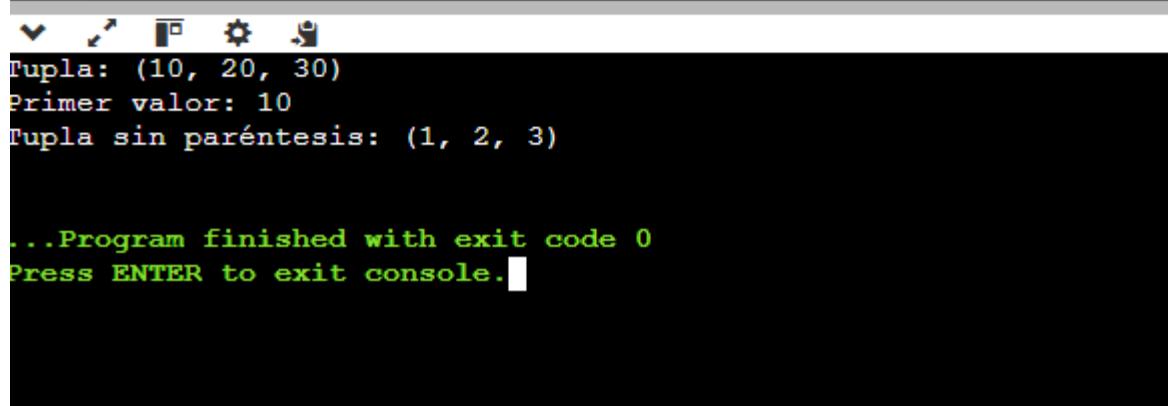
```
1 lista = [1, 2, 3, "hola", [10, 20]]
2
3 print("Lista completa:", lista)
4 print("Primer elemento:", lista[0])
5 print("Último elemento:", lista[-1])
6
7 lista.append("nuevo")
8 print("Después de append:", lista)
9
10 lista[1] = 99
11 print("Modificada:", lista)
12 |
```



```
▼ ▷ ⌂ ⚙ ⌂
Lista completa: [1, 2, 3, 'hola', [10, 20]]
Primer elemento: 1
Último elemento: [10, 20]
Después de append: [1, 2, 3, 'hola', [10, 20], 'nuevo']
Modificada: [1, 99, 3, 'hola', [10, 20], 'nuevo']

...Program finished with exit code 0
Press ENTER to exit console.
```

```
1 tupla = (10, 20, 30)
2 print("Tupla:", tupla)
3 print("Primer valor:", tupla[0])
4
5 tupla2 = 1, 2, 3
6 print("Tupla sin paréntesis:", tupla2)
7
```

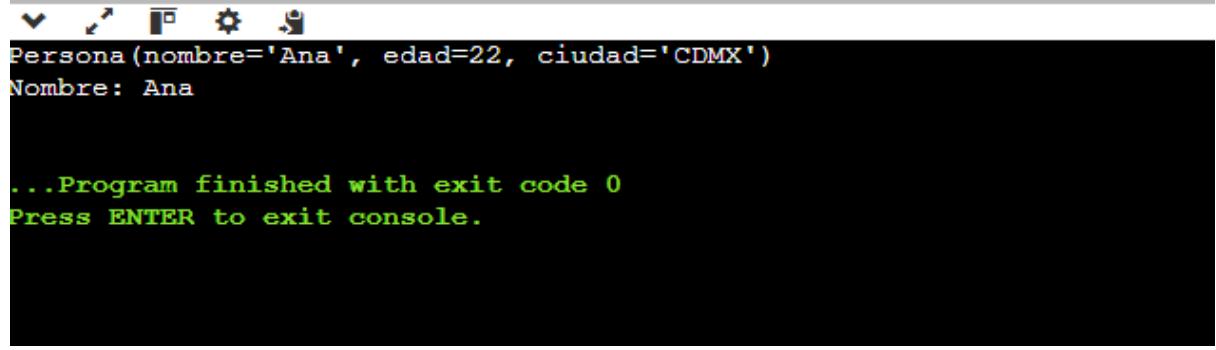


A screenshot of a terminal window displaying the output of a Python script. The terminal has a dark background with light-colored text. At the top, there are several small icons. Below them, the output of the script is shown:

```
Tupla: (10, 20, 30)
Primer valor: 10
Tupla sin paréntesis: (1, 2, 3)

...Program finished with exit code 0
Press ENTER to exit console.
```

```
1 from collections import namedtuple
2
3 Persona = namedtuple("Persona", "nombre edad ciudad")
4
5 p = Persona("Ana", 22, "CDMX")
6 print(p)
7 print("Nombre:", p.nombre)
8
```



The screenshot shows a terminal window with a dark background and light-colored text. At the top, there is a toolbar with several icons. Below the toolbar, the terminal displays the following output:

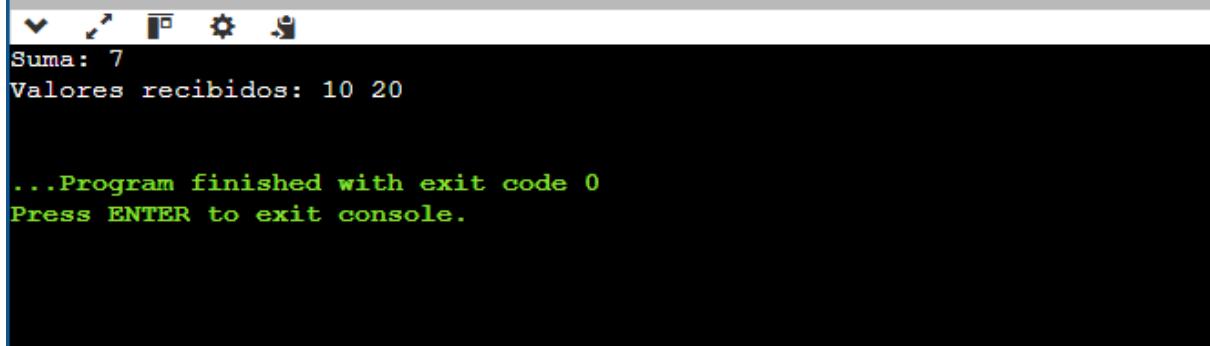
```
Persona(nombre='Ana', edad=22, ciudad='CDMX')
Nombre: Ana

...Program finished with exit code 0
Press ENTER to exit console.
```

```
1 dic = {"nombre": "Luis", "edad": 20, "escuela": "FI"}  
2  
3 print("Diccionario:", dic)  
4 print("Nombre:", dic["nombre"])  
5  
6 dic["edad"] = 21  
7 print("Diccionario modificado:", dic)  
8  
9 for llave, valor in dic.items():  
10    print(llave, ":", valor)  
11
```

```
▼ ▷ ⌛ ⚙ ⚙  
Diccionario: {'nombre': 'Luis', 'edad': 20, 'escuela': 'FI'}  
Nombre: Luis  
Diccionario modificado: {'nombre': 'Luis', 'edad': 21, 'escuela': 'FI'}  
nombre : Luis  
edad : 21  
escuela : FI  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```

```
1 def sumar(a, b):
2     return a + b
3
4 def valores():
5     return 10, 20, 30
6
7 print("Suma:", sumar(3, 4))
8
9 x, y, _ = valores()
10 print("Valores recibidos:", x, y)
11
```



The screenshot shows a terminal window with a dark background and light-colored text. At the top, there are several small icons. Below them, the output of a Python script is displayed. The script defines two functions: 'sumar' which adds two numbers, and 'valores' which returns a tuple of three numbers. It then prints the result of calling 'sumar' with arguments 3 and 4, and prints the values returned by 'valores'. The terminal also shows the standard message at the end of the program.

```
Suma: 7
Valores recibidos: 10 20

...Program finished with exit code 0
Press ENTER to exit console.
```

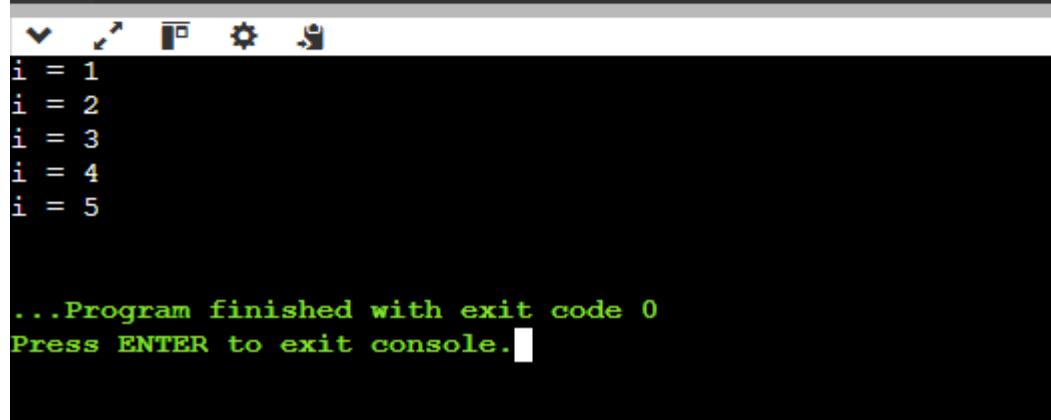
```
1 x = 15
2
3 if x < 10:
4     print("Es menor que 10")
5 elif x == 15:
6     print("Es igual a 15")
7 else:
8     print("Es mayor a 10")
9 |
```

A screenshot of a terminal window. At the top, there is a dark gray header bar with several small white icons: a downward arrow, a left arrow, a right arrow, a square, a gear, and a refresh symbol. Below this is a black main area where the following text is displayed:

```
Es igual a 15

...Program finished with exit code 0
Press ENTER to exit console.
```

```
1 i = 1
2
3 while i <= 5:
4     print("i =", i)
5     i += 1
6 |
```



```
i = 1
i = 2
i = 3
i = 4
i = 5

...Program finished with exit code 0
Press ENTER to exit console.
```

```
1 lista = ["a", "b", "c"]
2
3 for elemento in lista:
4     print(elemento)
5 |
```

```
a
b
c

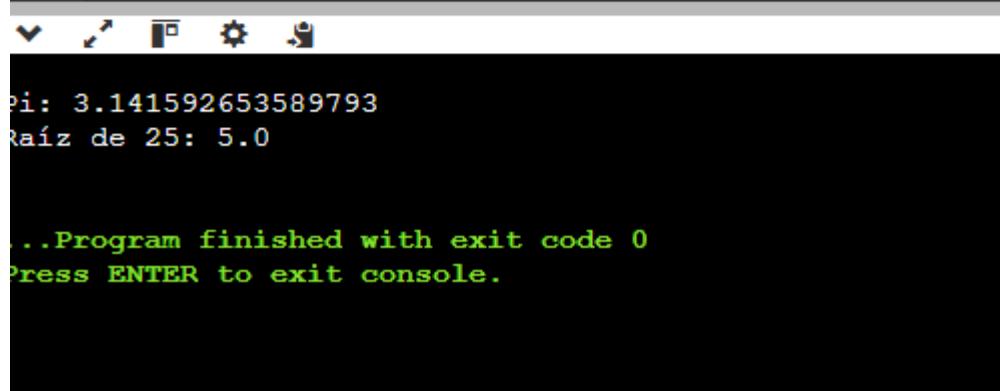
...Program finished with exit code 0
Press ENTER to exit console.
```

```
1 dic = {"x": 10, "y": 20, "z": 30}
2
3 for llave, valor in dic.items():
4     print(llave, "=", valor)
5 |
```

```
x = 10
y = 20
z = 30

...Program finished with exit code 0
Press ENTER to exit console.
```

```
1 import math
2
3 print("Pi:", math.pi)
4 print("Raíz de 25:", math.sqrt(25))
5
```



```
Pi: 3.141592653589793
Raíz de 25: 5.0

...Program finished with exit code 0
Press ENTER to exit console.
```

```
1 print("Hola, ¿cómo te llamas?")
2 nombre = input()
3 print("Buen día {}".format(nombre))
4
5 print("---Calculadora---")
6 print("1- Sumar")
7 print("2- Restar")
8 print("3- Multiplicar")
9 print("4- Dividir")
10 print("5- Salir")
11
12 op = int(input("Opción: "))
13
14 if op == 1:
15     a = int(input("Primer número: "))
16     b = int(input("Segundo número: "))
17     print("Resultado:", a + b)
18 elif op == 2:
19     a = int(input("Primer número: "))
20     b = int(input("Segundo número: "))
21     print("Resultado:", a - b)
22 elif op == 3:
23     a = int(input("Primer número: "))
```

```
Hola, ¿cómo te llamas?
Fer
Buen día Fer
---Calculadora---
1- Sumar
2- Restar
3- Multiplicar
4- Dividir
5- Salir
Opción: 1
Primer número: 5
Segundo número: 8
Resultado: 13

...Program finished with exit code 0
Press ENTER to exit console.
```