

# Módulo 1: Primeros Pasos

Entregable: Kata 1

Programa: Launch X,  
Innovación Virtual

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# Kata 1

## Módulo 1 – Primeros Pasos

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### EJERCICIOS CONSOLA

#### La función print()

```
C:\Program Files\WindowsApps\PythonSoftwareFoundation.Python.3.10_3.10.752.0_x64__qbz5n2kfra8p0\python3.10.exe
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print('Hola desde la consola')
Hola desde la consola
>>> _
```

#### Variables

```
C:\Program Files\WindowsApps\PythonSoftwareFoundation.Python.3.10_3.10.752.0_x64__qbz5n2kfra8p0\python3.10.exe
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> sum = 1 + 2
>>> product = sum * 2
>>> product
6
>>>
```

#### Tipos de datos

```
C:\Program Files\WindowsApps\PythonSoftwareFoundation.Python.3.10_3.10.752.0_x64__qbz5n2kfra8p0\python3.10.exe
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> distancia_a_alfa_centauri = 4.367
>>> type(distancia_a_alfa_centauri)
<class 'float'>
>>>
```

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## Fechas y Conversión de tipo de datos

```

C:\Program Files\WindowsApps\PythonSoftwareFoundation.Python.3.10_3.10.752.0_x64__qbz5n2kfra8p0\python3.10.exe
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> from datetime import date
>>> date.today()
datetime.date(2022, 2, 12)
>>> print(date.today())
2022-02-12
>>>
>>> print("Today's date is: " + date.today())
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
TypeError: can only concatenate str (not "datetime.date") to str
>>>
>>> print("Today's date is: " + str(date.today()))
Today's date is: 2022-02-12
>>>

```

## Entrada del usuario

```

C:\Program Files\WindowsApps\PythonSoftwareFoundation.Python.3.10_3.10.752.0_x64__qbz5n2kfra8p0\python3.10.exe
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print("Bienvenido al programa de bienvenida")
Bienvenido al programa de bienvenida
>>> name = input("Introduzca su nombre: ")
Introduzca su nombre: H. Iván Hdz.
>>> print("Saludos: " + name)
Saludos: H. Iván Hdz.
>>>

```

## Trabajar con números

```

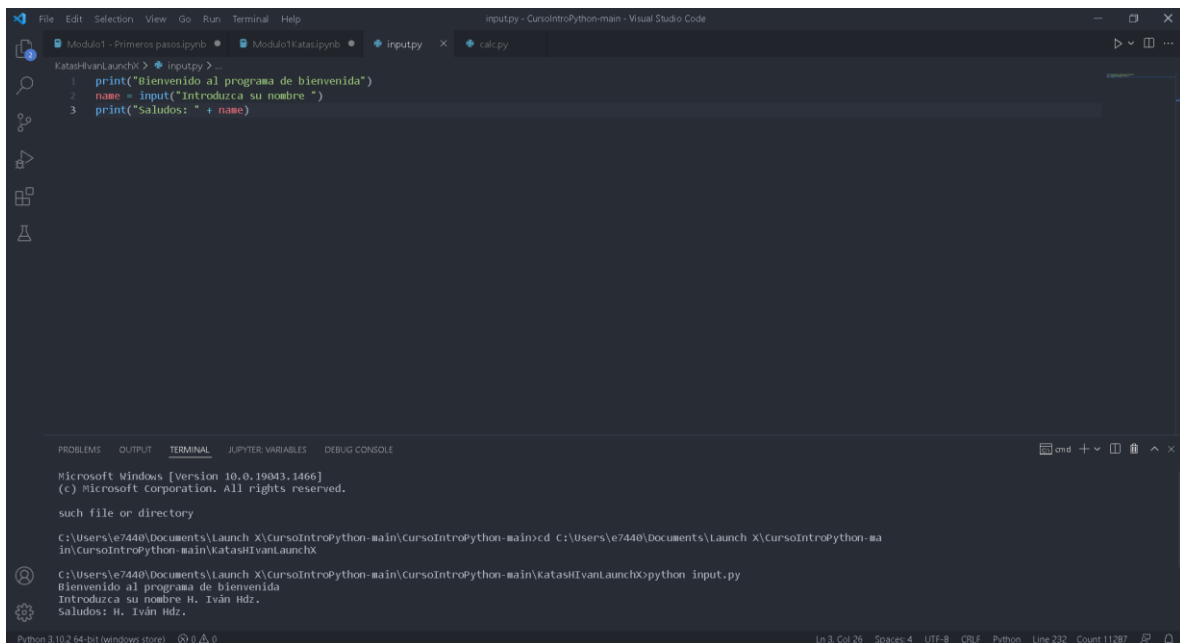
C:\Program Files\WindowsApps\PythonSoftwareFoundation.Python.3.10_3.10.752.0_x64__qbz5n2kfra8p0\python3.10.exe
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print("Calculadora")
Calculadora
>>> first_number = input("Primer número: ")
Primer número: 4
>>> second_number = input("Segundo número: ")
Segundo número: 5
>>> print(first_number + second_number)
45
>>>
>>> print(int(first_number) + int(second_number))
9
>>>

```

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## EJECUTAR PROGRAMA DESDE CONSOLA

### input.py



The screenshot shows the Visual Studio Code interface with the file `input.py` open. The code in the editor is:

```
1 print("Bienvenido al programa de bienvenida")
2 name = input("Introduzca su nombre ")
3 print("Saludos: " + name)
```

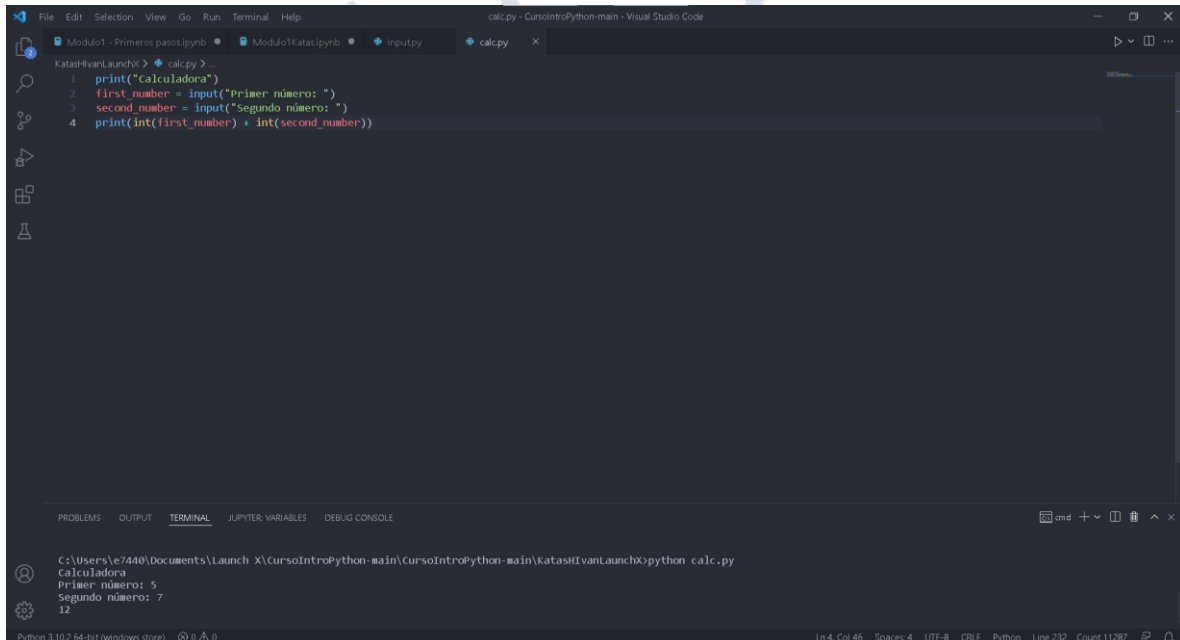
The terminal at the bottom shows the execution of the program:

```
Microsoft Windows [Version 10.0.19041.1466]
(c) Microsoft Corporation. All rights reserved.

such file or directory

C:\Users\ev7440\Documents\Launch X\CursoIntroPython-main\CursoIntroPython-main>cd C:\Users\ev7440\Documents\Launch X\CursoIntroPython-main\KatashiIvanLaunchX
C:\Users\ev7440\Documents\Launch X\CursoIntroPython-main\CursoIntroPython-main\KatashiIvanLaunchX>python input.py
Bienvenido al programa de bienvenida
Introduzca su nombre H. Iván Hdz.
Saludos: H. Iván Hdz.
```

### calc.py



The screenshot shows the Visual Studio Code interface with the file `calc.py` open. The code in the editor is:

```
1 print("calculadora")
2 first_number = input("Primer número: ")
3 second_number = input("Segundo número: ")
4 print(int(first_number) + int(second_number))
```

The terminal at the bottom shows the execution of the program:

```
C:\Users\ev7440\Documents\Launch X\CursoIntroPython-main\CursoIntroPython-main\KatashiIvanLaunchX>python calc.py
calculadora
Primer número: 5
Segundo número: 7
12
```