

**Cruzeiro do Sul**

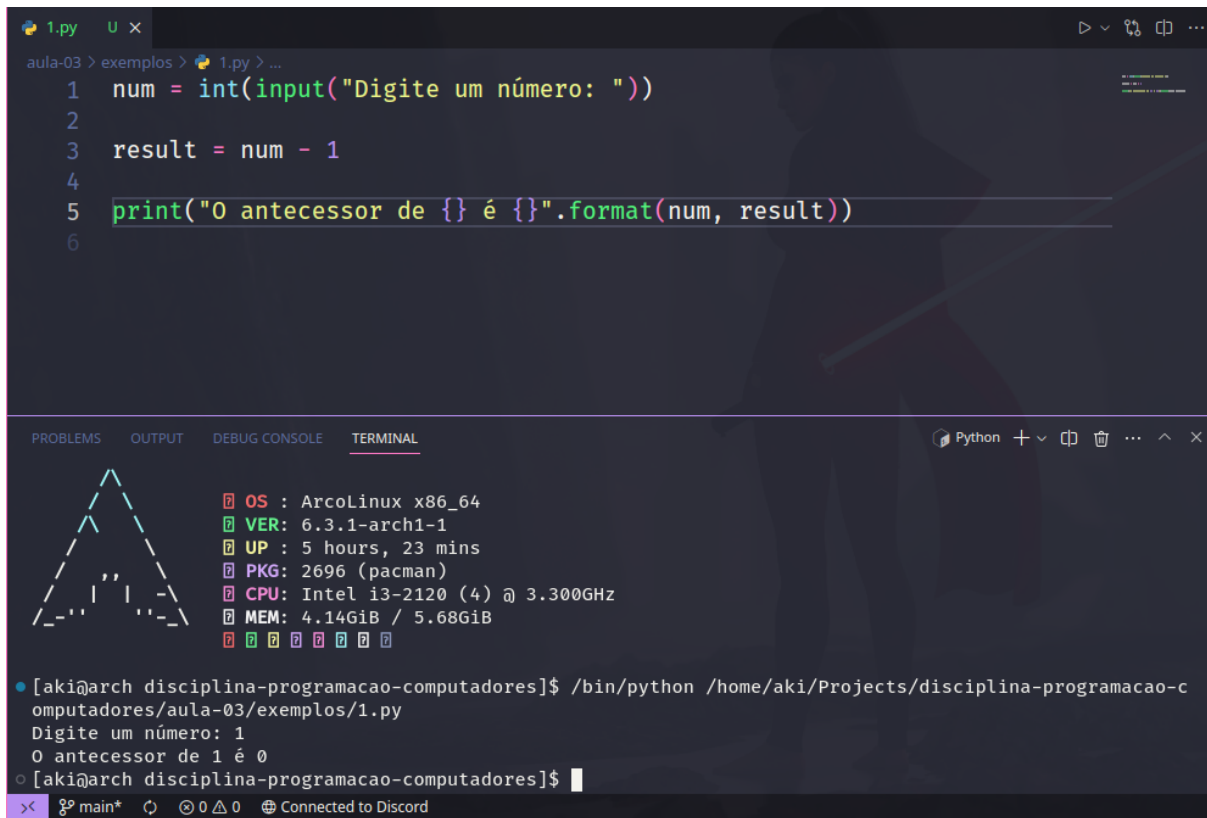
**Ciência da Computação**

**Alan Silva**

**RGM: 34036491**

**Exemplos da Aula 3**

## EXEMPLO 1



The image shows a code editor window with a file named `1.py` open. The code in the editor is as follows:

```
1 num = int(input("Digite um número: "))
2
3 result = num - 1
4
5 print("O antecessor de {} é {}".format(num, result))
6
```

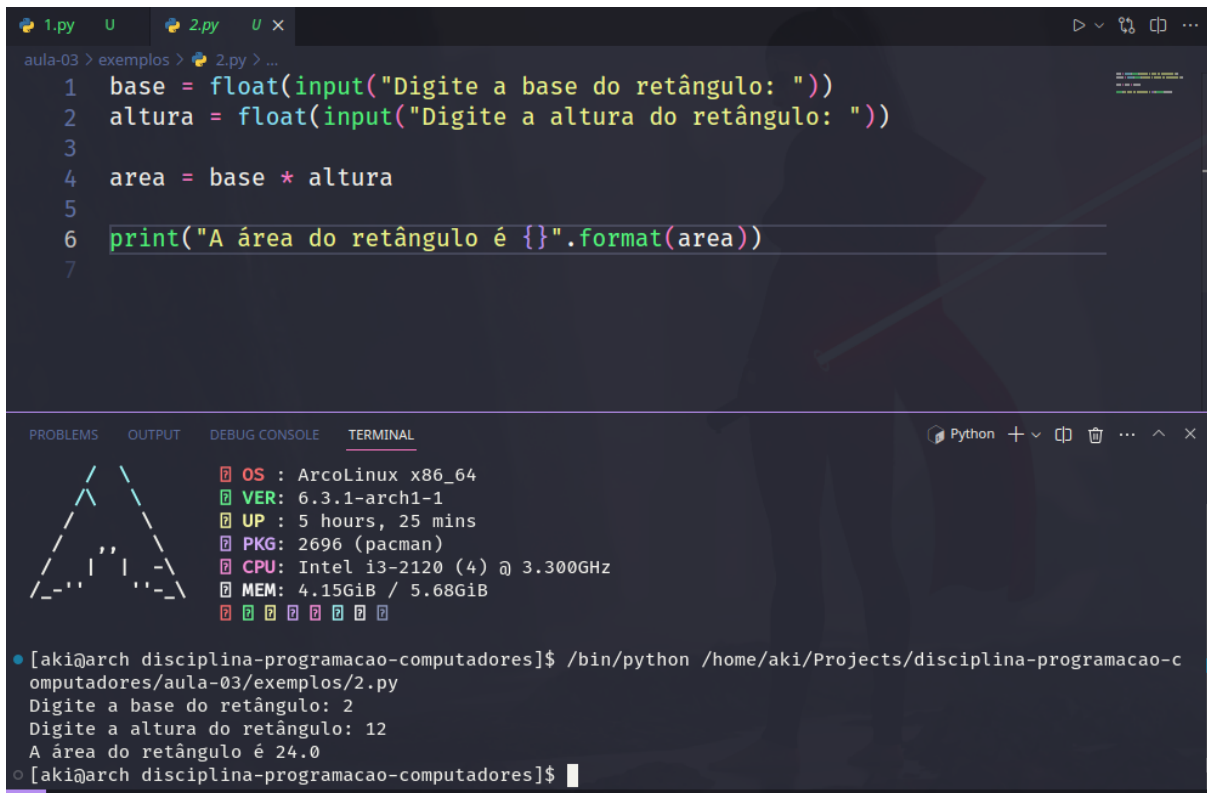
Below the code editor is a terminal window. The terminal displays system information and the execution of the Python script:

```
OS : ArcoLinux x86_64
VER: 6.3.1-arch1-1
UP : 5 hours, 23 mins
PKG: 2696 (pacman)
CPU: Intel i3-2120 (4) @ 3.300GHz
MEM: 4.14GiB / 5.68GiB

[aki@arch disciplina-programacao-computadores]$ /bin/python /home/aki/Projects/disciplina-programacao-computadores/aula-03/exemplos/1.py
Digite um número: 1
O antecessor de 1 é 0
[aki@arch disciplina-programacao-computadores]$
```

The terminal also shows a small ASCII art of a triangle made of dashes and a status bar at the bottom indicating the current directory and connection status.

## EXEMPLO 2



The image shows a code editor window with a Python file named `2.py` open. The code calculates the area of a rectangle by taking user input for the base and height, multiplying them, and printing the result. Below the code editor is a terminal window showing the execution of the program. The terminal output shows the user entering '2' for the base and '12' for the height, resulting in an area of 24.0. The terminal also displays system information for ArcoLinux x86\_64.

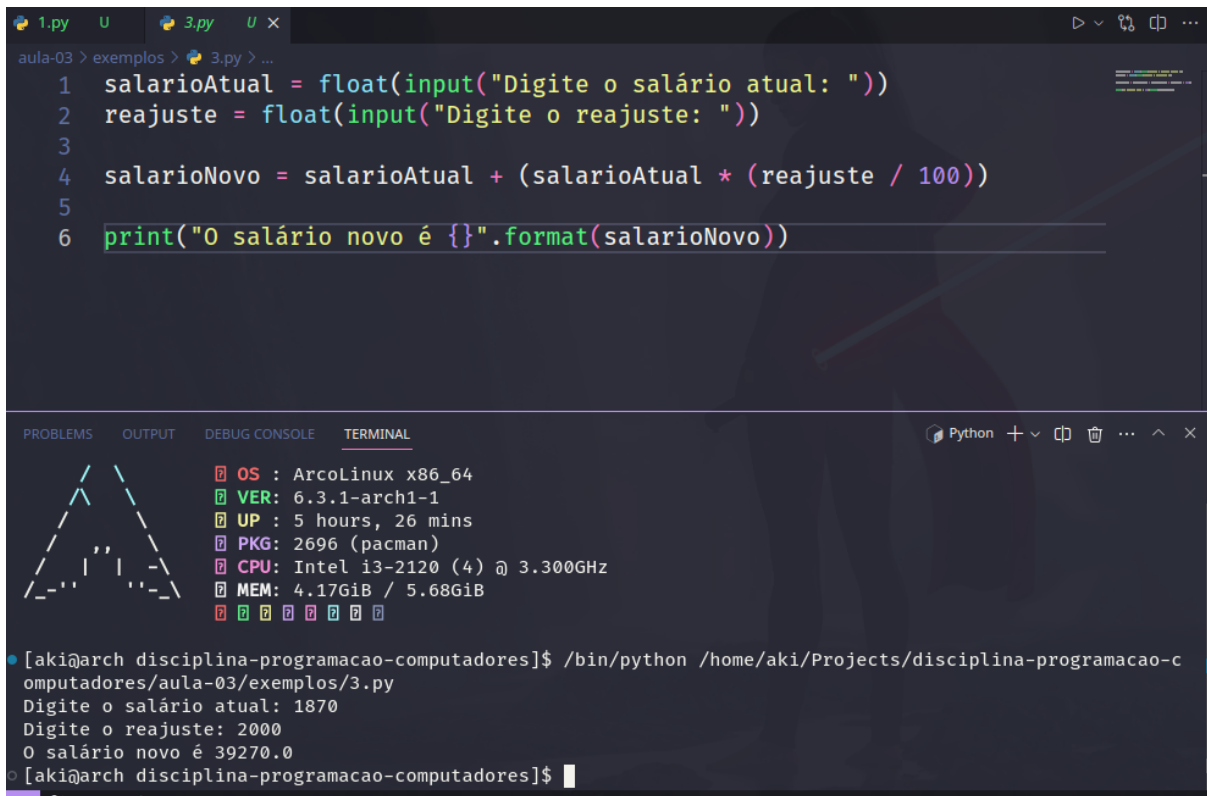
```
1 base = float(input("Digite a base do retângulo: "))
2 altura = float(input("Digite a altura do retângulo: "))
3
4 area = base * altura
5
6 print("A área do retângulo é {}".format(area))
7
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

OS : ArcoLinux x86\_64  
VER: 6.3.1-arch1-1  
UP : 5 hours, 25 mins  
PKG: 2696 (pacman)  
CPU: Intel i3-2120 (4) @ 3.300GHz  
MEM: 4.15GiB / 5.68GiB

[aki@arch disciplina-programacao-computadores]\$ /bin/python /home/aki/Projects/disciplina-programacao-computadores/aula-03/exemplos/2.py  
Digite a base do retângulo: 2  
Digite a altura do retângulo: 12  
A área do retângulo é 24.0  
[aki@arch disciplina-programacao-computadores]\$

## EXEMPLO 3



The image shows a code editor window with a Python file named `3.py` open. The code calculates a new salary based on the current salary and a percentage increase. Below the code editor is a terminal window displaying system information and the execution of the script.

```
1 salarioAtual = float(input("Digite o salário atual: "))
2 reajuste = float(input("Digite o reajuste: "))
3
4 salarioNovo = salarioAtual + (salarioAtual * (reajuste / 100))
5
6 print("O salário novo é {}".format(salarioNovo))
```

**System Information:**

- OS : ArcoLinux x86\_64
- VER: 6.3.1-arch1-1
- UP : 5 hours, 26 mins
- PKG: 2696 (pacman)
- CPU: Intel i3-2120 (4) @ 3.300GHz
- MEM: 4.17GiB / 5.68GiB

**Terminal Output:**

```
[aki@arch disciplina-programacao-computadores]$ /bin/python /home/aki/Projects/disciplina-programacao-computadores/aula-03/exemplos/3.py
Digite o salário atual: 1870
Digite o reajuste: 2000
O salário novo é 39270.0
[aki@arch disciplina-programacao-computadores]$
```

## EXEMPLO 4

```
1.py U 4.py U x
aula-03 > exemplos > 4.py > ...
1 b = float(input("Digite a base do retângulo: "))
2 h = float(input("Digite a altura do retângulo: "))
3
4 area = (b * h) / 2
5
6 print("A área do triângulo é {}".format(area))
```

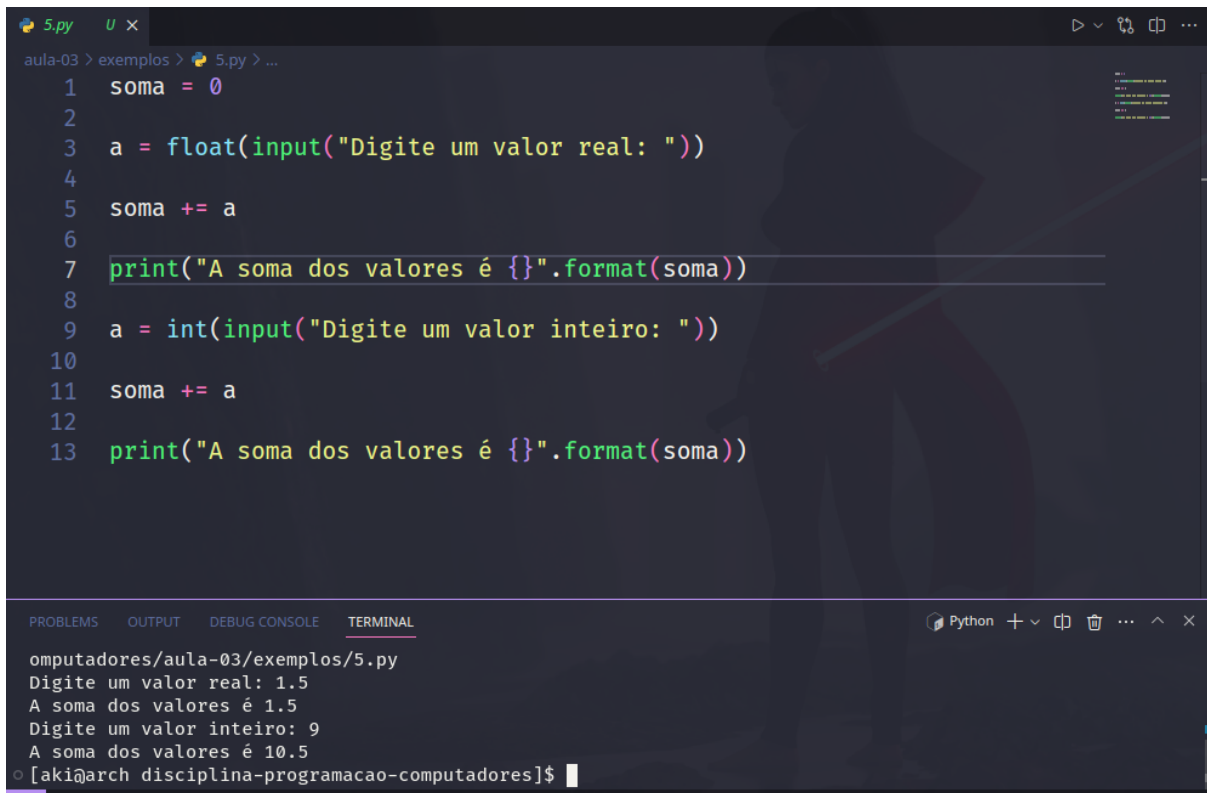
PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** Python + v [ ] [ ] ... ^ x

```

  /\  \
 /  \  \
/_-''  ''-_
VER: 6.3.1-arch1-1
UP : 5 hours, 26 mins
PKG: 2696 (pacman)
CPU: Intel i3-2120 (4) @ 3.300GHz
MEM: 4.15GiB / 5.68GiB

[aki@arch disciplina-programacao-computadores]$ /bin/python /home/aki/Projects/disciplina-programacao-computadores/aula-03/exemplos/4.py
Digite a base do retângulo: 2
Digite a altura do retângulo: 12
A área do triângulo é 12.0
[aki@arch disciplina-programacao-computadores]$
```

## EXEMPLO 5



The image shows a code editor window with a Python file named `5.py`. The code defines a variable `soma` and adds two user inputs to it. The first input is a float, and the second is an integer. The output of the program is shown in the terminal below the code editor.

```
1 soma = 0
2
3 a = float(input("Digite um valor real: "))
4
5 soma += a
6
7 print("A soma dos valores é {}".format(soma))
8
9 a = int(input("Digite um valor inteiro: "))
10
11 soma += a
12
13 print("A soma dos valores é {}".format(soma))
```

Terminal output:

```
computadores/aula-03/exemplos/5.py
Digite um valor real: 1.5
A soma dos valores é 1.5
Digite um valor inteiro: 9
A soma dos valores é 10.5
[aki@arch disciplina-programacao-computadores]$
```