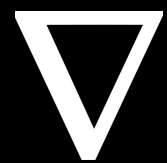


Introdução ao Python 3

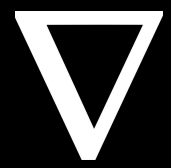
Curso de Python para
Data Science



Murilo Leandro
@murilouco_louco

The background features a large, light gray inverted triangle. Overlaid on this are two more triangles: a light blue one and a light pink one, both pointing downwards. A blue horizontal line and a pink horizontal line intersect at a right angle, forming a corner bracket that frames the text. The text is centered within this bracket.

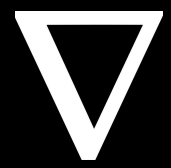
Fazendo um projeto



Projeto

Nesta aula vamos codar um bot que joga o jogo do dinossauro do chrome.





Projeto

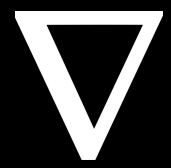
Vamos precisar de funções que façam o dinosauro:

- pular por um determinado tempo)
- agachar (por um determinado tempo)

main.py

```
def pular(tempo):  
    #código
```

```
def agachar(tempo):  
    #código
```

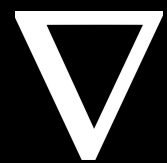


Projeto

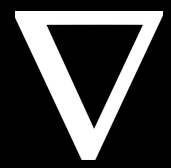
Precisamos também criar uma lógica simples: a cada instante decide se devemos pular ou não:

```
main.py

while True:
    if deve_pular():
        pular()
    if deve_agachar():
        agachar()
```

The background of the slide features a large, stylized 'V' shape composed of three overlapping triangles in light blue, light purple, and light pink. A blue line extends from the left side of the word 'Modularização', and a pink line extends from the right side, both framing the title.

Modularização



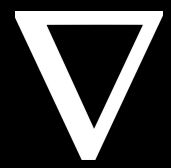
Modularização

Divida sua tarefa em várias subtarefas:

```
main.py

def deve_agachar():
    screenshot = tirar_screenshot()
    #verificar se os pixels de cima são pretos
    return tem_pixels_pretos

def deve_pular():
    screenshot = tirar_screenshot()
    #verificar se os pixels da frente são pretos
    return tem_pixels_pretos
```



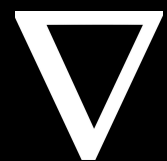
Modularização

Resolva as subtarefas:

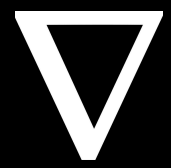
main.py



```
def tirar_screenshot():  
    # lógica para tirar uma  
    # screenshot e retornar ela
```


The background features a large, stylized 'V' shape composed of three overlapping triangles in light blue, light purple, and light pink. A blue line extends from the left, and a pink line extends from the right, both framing the central text.

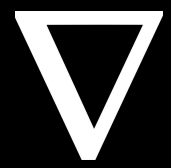
Bibliotecas



Bibliotecas

Instale com a ferramenta pip:

```
$ pip install mss  
$ pip install pyautogui
```

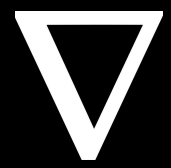


Bibliotecas

Importe a biblioteca com 'import'

```
import mss

def tirar_screenshot():
    printador = mss.mss()
    screenshot = printador.shot()
    return screenshot
```

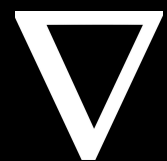


Bibliotecas

Leia sua documentação!!

<https://python-mss.readthedocs.io/>

<https://pyautogui.readthedocs.io/>



Presença



<https://forms.gle/j3FLE9yaapPF82Am8>