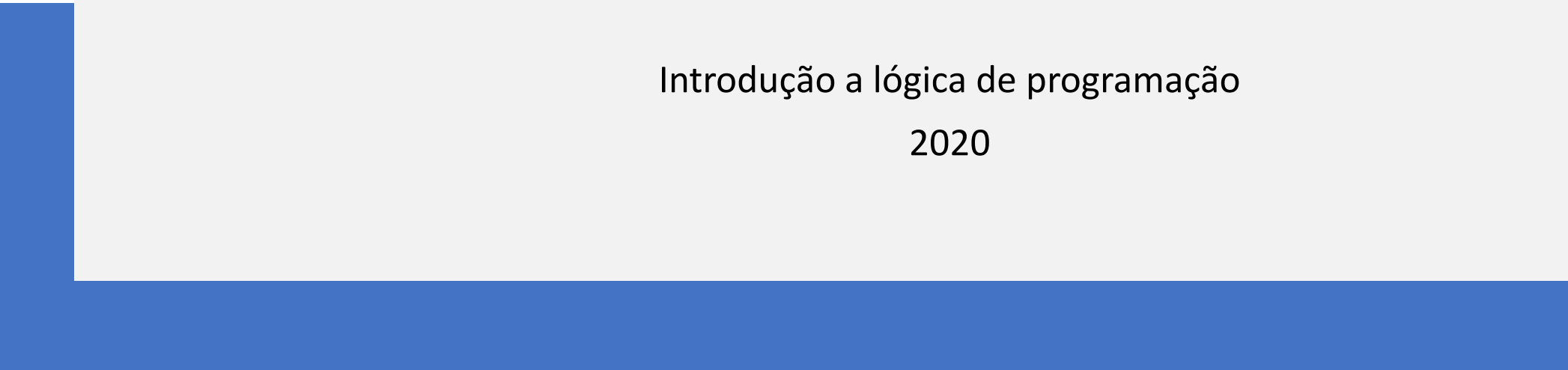




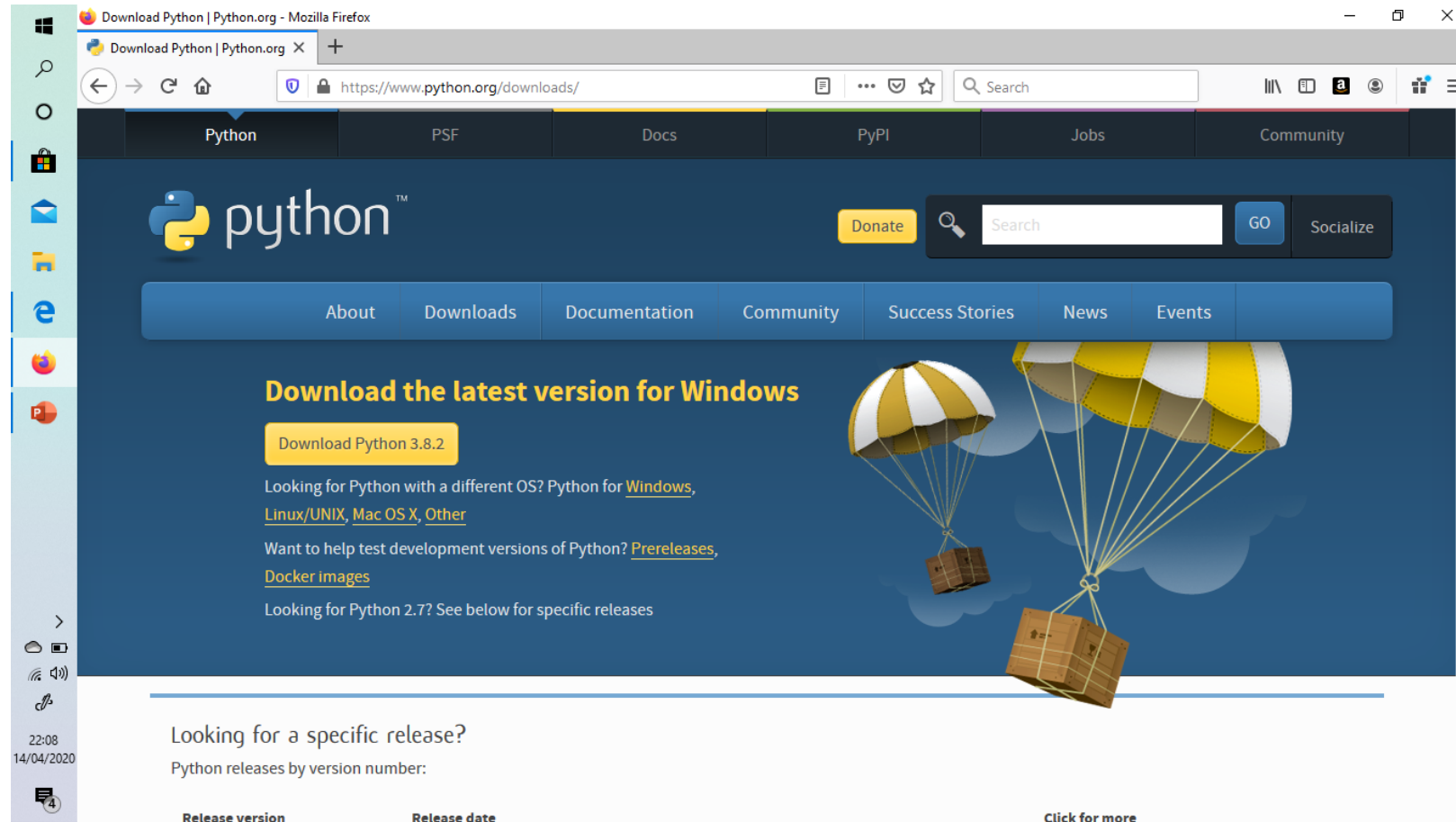
Python

Profa. Denise Neves

Introdução a lógica de programação
2020



Instalação



<https://www.python.org/downloads/>

Download Python | Python.org - Mozilla Firefox

Download Python | Python.org

https://www.python.org/downloads/

Downloads

Arquivo Início Compartilhar Exibir Ferramentas de Aplicativo

Fixar no Acesso rápido Copiar Colar Recortar Copiar caminho Python 3.8.2 (32-bit) Setup Novo item Fácil acesso Abrir Editar Selecionar tudo Limpar seleção

Área de Transferência

Este Computador

Área de Trabalho Downloads Documentos Imagens OneDrive Este Computador Área de Trabalho Documentos Downloads Imagens Músicas Objetos 3D Vídeos Acer (C:)

179 itens 1 item selecionado 25,2 MB

Install Python 3.8.2 (32-bit)

Select Install Now to install Python with default settings, or choose Customize to enable or disable features.

Install Now
C:\Users\Denise\AppData\Local\Programs\Python\Python38-32
Includes IDLE, pip and documentation
Creates shortcuts and file associations

→ **Customize installation**
Choose location and features

☒ Install launcher for all users (recommended)
☒ Add Python 3.8 to PATH

Cancel

favicon_192x192_created_by_logaster	05/04/2020 17:39	Arquivo PNG	2 KB
kaleidico-3V8xo5Gbusk-unsplash	05/04/2020 01:41	Arquivo JPG	2.140 KB
Kevin-hhant-gMRITa8NDaV-unsplash	05/04/2020 01:16	Arquivo JPG	2.140 KB

Python 3.8.2 Feb. 24, 2020 Download Release Notes

Python 3.8.1 Dec. 18, 2019 Download Release Notes

Python 3.7.6 Dec. 18, 2019 Download Release Notes

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About

python™

Download Python 3

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Want to help test development? See [Python 2.7 Docker images](#)

Looking for Python 2.7


python for windows

Setup was successful

Special thanks to Mark Hammond, without whose years of freely shared Windows expertise, Python for Windows would still be Python for DOS.

New to Python? Start with the [online tutorial](#) and [documentation](#).

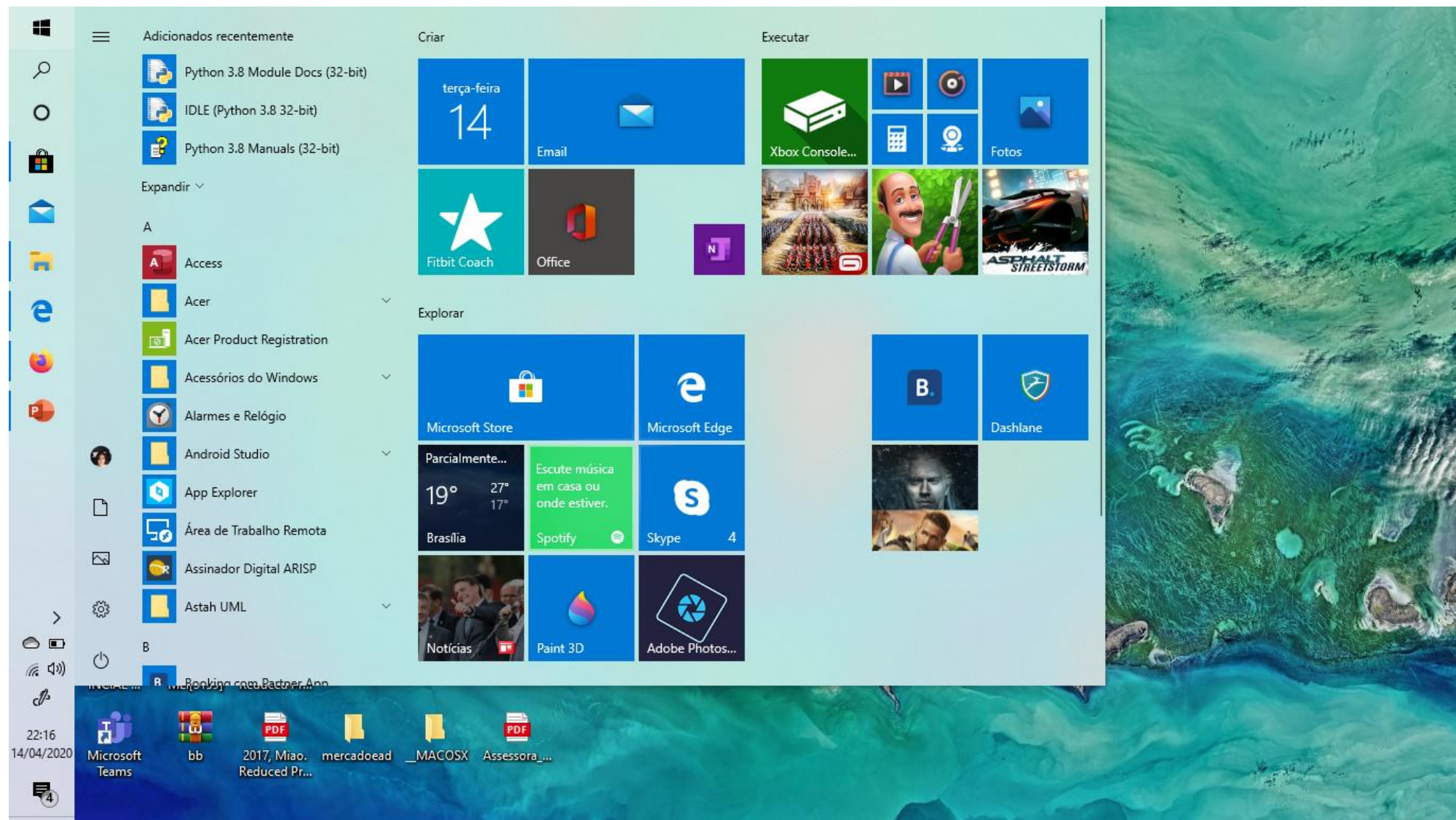
See [what's new](#) in this release.

 **Disable path length limit**
Changes your machine configuration to allow programs, including Python, to bypass the 260 character "MAX_PATH" limitation.

Close

Looking for a specific release?
Python releases by version number:

Release version	Release date	Click for more
-----------------	--------------	----------------



Variáveis

- Texto (String)
- Numérico inteiro (int)
- Numérico Real (float)
- Lógico (Verdadeiro/Falso)

Tem Fraca tipagem

Em Python não tem declaração

Exemplos de usos de variáveis

- valor = 1200.00
- idade = 45
- nome = "Denise"

Operador de atribuição em python é o
Símbolo de =

- Status = True
False

Cálculos

$x = 10$

$y = 20$

$\text{total} = y + x$

Verificar o tipo da variável : `type(total)`

Operadores aritméticos são os mesmos
utilizados no slide anterior (lógica de programação)

Saida na tela

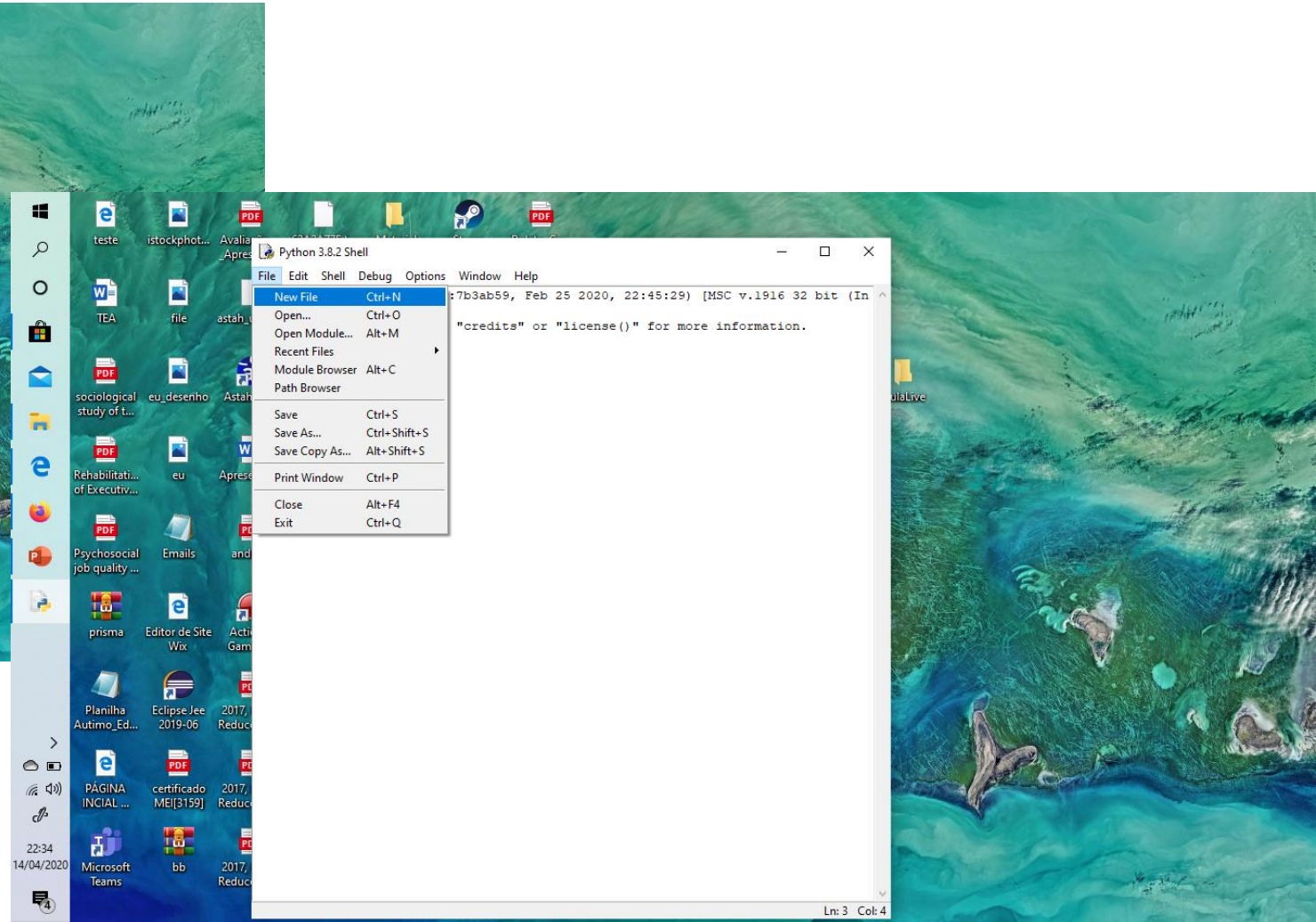
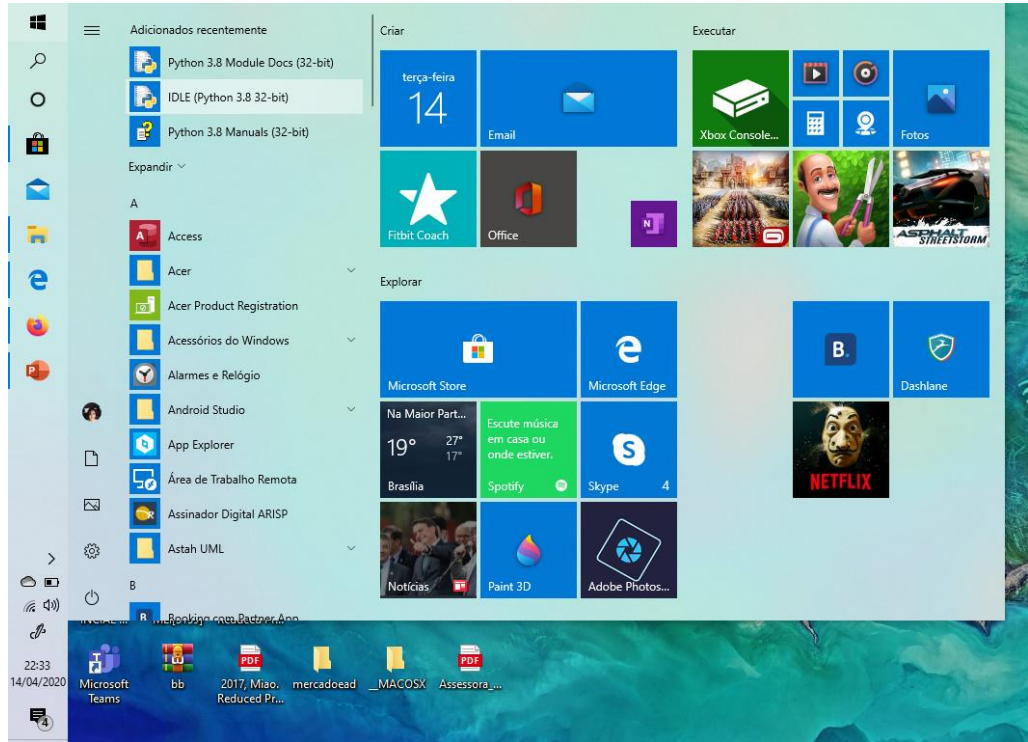
- Função print ()

é o Escreva() ou Exiba() do algoritmo em Portugues Estruturado

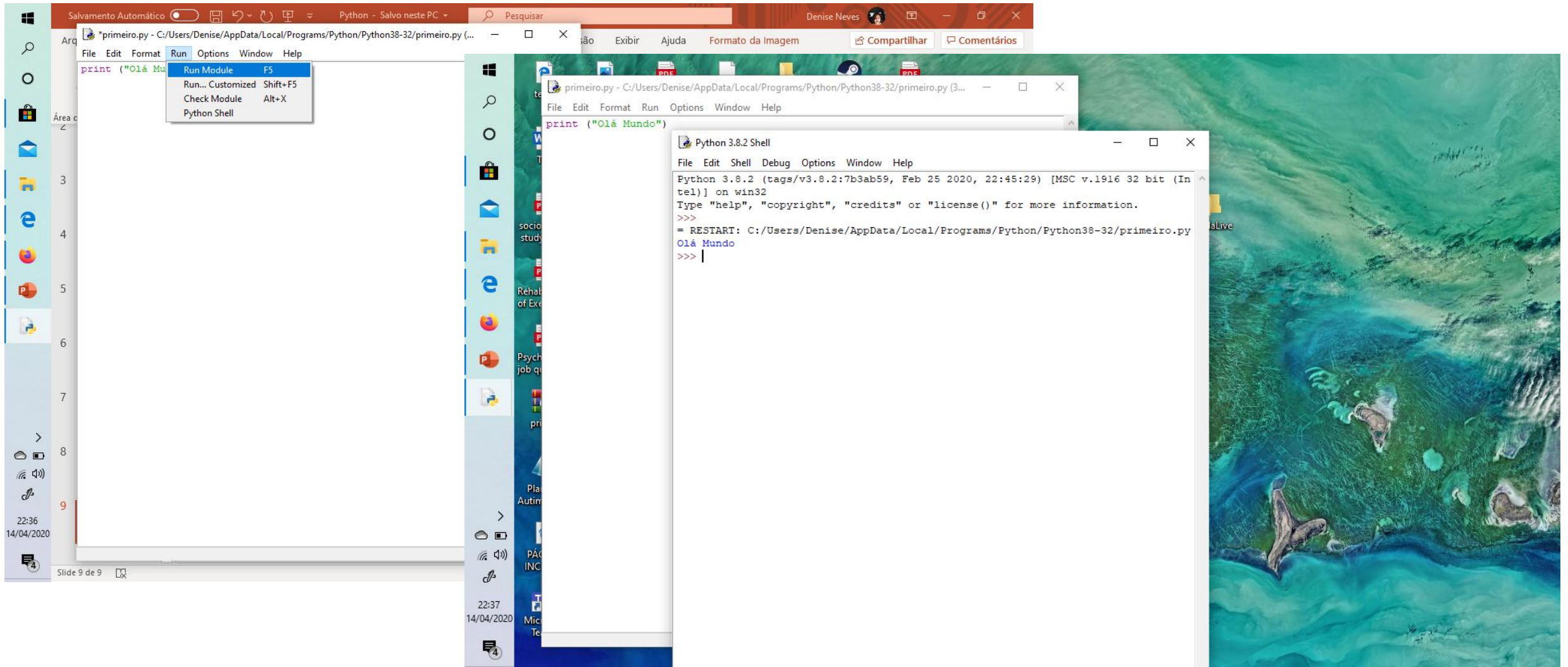
--- * ---

Comentário	uma linha #
	várias linhas (três aspas simples para iniciar e fechar)

Para usar o IDE de programação IDLE



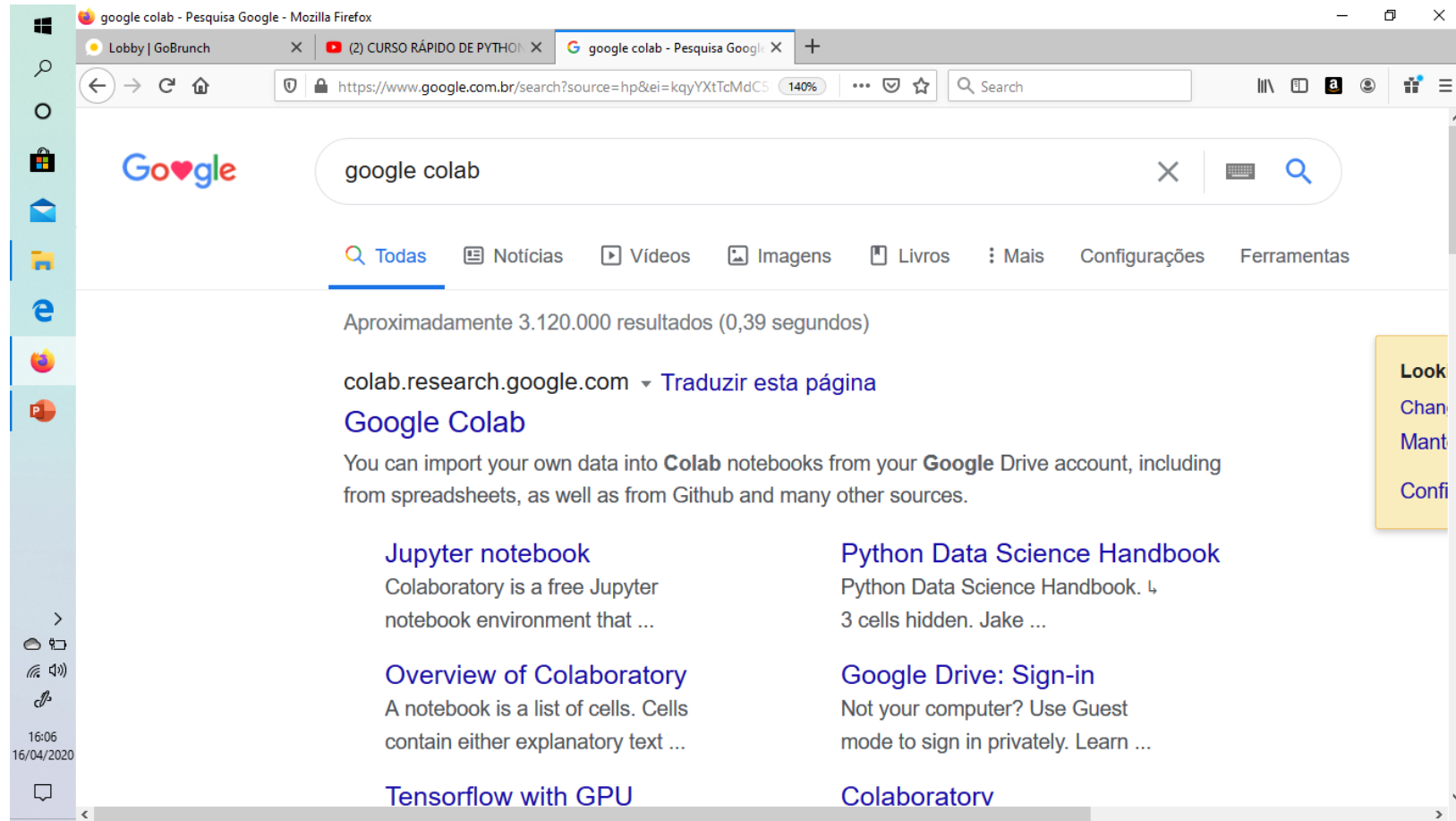
Primeiro Programa



Python ONLINE

- Outra maneira de usar a linguagem Python será usar On-Line, sem precisar instalar no seu computador.
- Vamos usar o Google Colab, para isso você precisa ter uma conta GMAIL.

Pesquisa Google Colab



Welcome To Colaboratory - Colaboratory - Mozilla Firefox

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https://colab.research.google.com/notebooks/intro.ipynb#recent=true

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- Getting started
- Data science
- Machine learning
- More Resources
- Machine Learning Example
- Section

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Welcome To Colaboratory	0 minutes ago	0 minutes ago	



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To execute the code in the above cell, select it with a click and then either press the play button to the left of the code, or use the

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+ Code + Text

Connect Editing

Run cell (Ctrl+Enter)
cell has not been executed in this session

[]

16:13
16/04/2020

Windows taskbar with icons for Start, Search, Task View, File Explorer, Edge, Firefox, and PowerPoint. System tray shows network, volume, and battery status. Time: 16:14, 16/04/2020.

Browser tabs: Curso de Lógica com Python - Colaboratory - Mozilla Firefox, Lobby | GoBrunch, (2) CURSO RÁPIDO DE PYTHON, Curso de Lógica com Python.

Address bar: <https://colab.research.google.com/drive/1itWnTbylNy4Y3XqFlpPScnyORiqaGB>

Page title: Curso de Lógica com Python

Menu: File Edit View Insert Runtime Tools Help [All changes saved](#)

Buttons: Comment, Share, Settings, Profile

Code editor toolbar: + Code + Text, RAM (0.81 GB / 12.72 GB), Disk (30.90 GB / 107.77 GB), Editing

Code editor content: Double-click (or enter) to edit

Code editor input: []

Notification: Connected to "Python 3 Google Compute Engine backend" RAM: 0.81 GB/12.72 GB Disk: 30.90 GB/107.77 GB

Windows Taskbar

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Search

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[]

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Colab Pro

Miscellaneous

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light

light

dark

adaptive

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☐ Request GitHub organizations

[More info](#)

Custom snippet notebook URL

CANCEL

SAVE

16:15

16/04/2020

Windows Taskbar

16:20
16/04/2020

System Tray

Firefox Title Bar

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Tab 1: Lobby | GoBrunch

Tab 2: (2) CURSO RÁPIDO DE PYTH

Tab 3: Curso de Lógica com Python

Address Bar: <https://colab.research.google.com/drive/1itWnTbylNy4Y3XqFlpPScnyORiqaGB>

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RAM Disk

Editing

Run cell (Ctrl+Enter)
cell has not been executed in this session

```
print ("Olá Mundc")
```

Windows Taskbar

16:23
16/04/2020

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<>

Olá Mundo

▶

a=10
b=5
print (a + b)

15

Windows Taskbar

16:33
16/04/2020

System Tray

Firefox Title Bar

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Colab Header

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RAM Disk

Editing

Code Editor

+ Code + Text

[3] print (5<3)

False

[5] print (5>=5 and 2<3) # aqui é um operador lógico E

True

Double-click (or enter) to edit

Run Console

Agora você já tem o ambiente de
programação

