

GERADOR DE EXECUTÁVEL

IMPORTAR OS MÓDULOS

```
In [7]: import os
```

VERIFICAR O DIRETÓRIO DE TRABALHO

```
In [8]: os.getcwd()
```

```
Out[8]: 'C:\\Users\\tiago\\Documents\\MILENNIUN_FALCON\\_CURSOS'
```

```
In [9]: if not os.path.exists('tabuada'):
        os.mkdir('tabuada')
        os.chdir('tabuada')
    else:
        os.chdir('tabuada')

    os.listdir()
```

```
Out[9]: []
```

```
In [10]: os.getcwd()
```

```
Out[10]: 'C:\\Users\\tiago\\Documents\\MILENNIUN_FALCON\\_CURSOS\\tabuada'
```

LISTAR OS MÓDULOS INSTALADOS

```
In [4]: # !pip list
```

INSTALAR O MÓDULO PARA CRIAR EXECUTÁVEL

```
In [16]: ! pip install cx_Freeze
```

```
Collecting cx_Freeze
  Using cached cx_Freeze-6.2-cp37-cp37m-win_amd64.whl (206 kB)
Installing collected packages: cx-Freeze
Successfully installed cx-Freeze-6.2
```

CRIANDO O PROGRAMA

```
In [11]: print('-' * 20)
print('TABUADA'.center(20))
print('-' * 20)

numero = input('Qual número deseja saber a tabuada: ')

if numero.isnumeric :
    numero = int(numero)
    for v in range(1, 11):
        print('{0} * {1} = {2}'.format(numero, v, v * numero))
else:
    print('Número inválido!')
    print('Fim do programa')
print('-' * 20)

input('Pausa ...')
```

```
-----
          TABUADA
-----
Qual número deseja saber a tabuada: 5
5 * 1 = 5
5 * 2 = 10
5 * 3 = 15
5 * 4 = 20
5 * 5 = 25
5 * 6 = 30
5 * 7 = 35
5 * 8 = 40
5 * 9 = 45
5 * 10 = 50
-----
Pausa ...
```

Out[11]: ''

SALVANDO O PROGRAMA

```
In [15]: codigo = '''

print('-' * 20)
print('TABUADA'.center(20))
print('-' * 20)

numero = input('Qual número deseja saber a tabuada: ')

if numero.isnumeric :
    numero = int(numero)
    for v in range(1, 11):
        print('{0} * {1} = {2}'.format(numero, v, v * numero))
else:
    print('Número inválido!')
    print('Fim do programa')
print('-' * 20)

input('Pausa ...')

'''

arq = open('tabuada.py', 'w', encoding='utf-8')
arq.write(codigo)
arq.close()
```

CRIANDO O EXECUTÁVEL

```
In [17]: !cxfreeze tabuada.py --target-dir exe_tabuada

creating directory exe_tabuada
copying c:\users\tiago\anaconda3\python37.dll -> exe_tabuada\python37.dll
copying c:\users\tiago\anaconda3\vcruntime140.dll -> exe_tabuada\vcruntime140.dll
copying c:\users\tiago\anaconda3\api-ms-win-crt-runtime-l1-1-0.dll -> exe_tabuada\api-ms-win-crt-runtime-l1-1-0.dll
copying c:\users\tiago\anaconda3\api-ms-win-crt-math-l1-1-0.dll -> exe_tabuada\api-ms-win-crt-math-l1-1-0.dll
copying c:\users\tiago\anaconda3\api-ms-win-crt-locale-l1-1-0.dll -> exe_tabuada\api-ms-win-crt-locale-l1-1-0.dll
copying c:\users\tiago\anaconda3\api-ms-win-crt-string-l1-1-0.dll -> exe_tabuada\api-ms-win-crt-string-l1-1-0.dll
copying c:\users\tiago\anaconda3\api-ms-win-crt-stdio-l1-1-0.dll -> exe_tabuada\api-ms-win-crt-stdio-l1-1-0.dll
copying c:\users\tiago\anaconda3\api-ms-win-crt-convert-l1-1-0.dll -> exe_tabuada\api-ms-win-crt-convert-l1-1-0.dll
copying c:\users\tiago\anaconda3\api-ms-win-crt-time-l1-1-0.dll -> exe_tabuada\api-ms-win-crt-time-l1-1-0.dll
copying c:\users\tiago\anaconda3\api-ms-win-crt-environment-l1-1-0.dll -> exe_
```

In []:

In []:

In []:

