



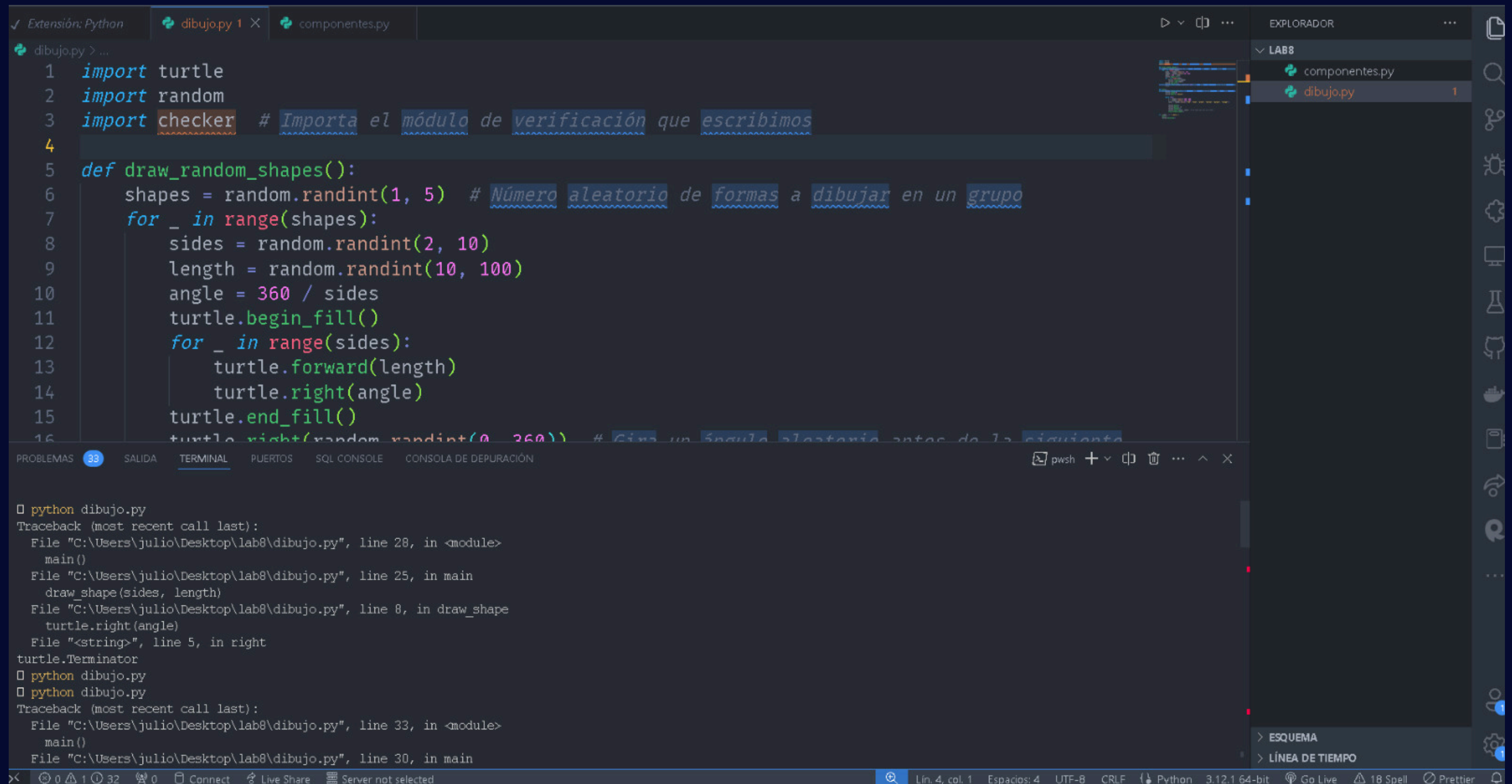
LAB. 8

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CÓDIGO



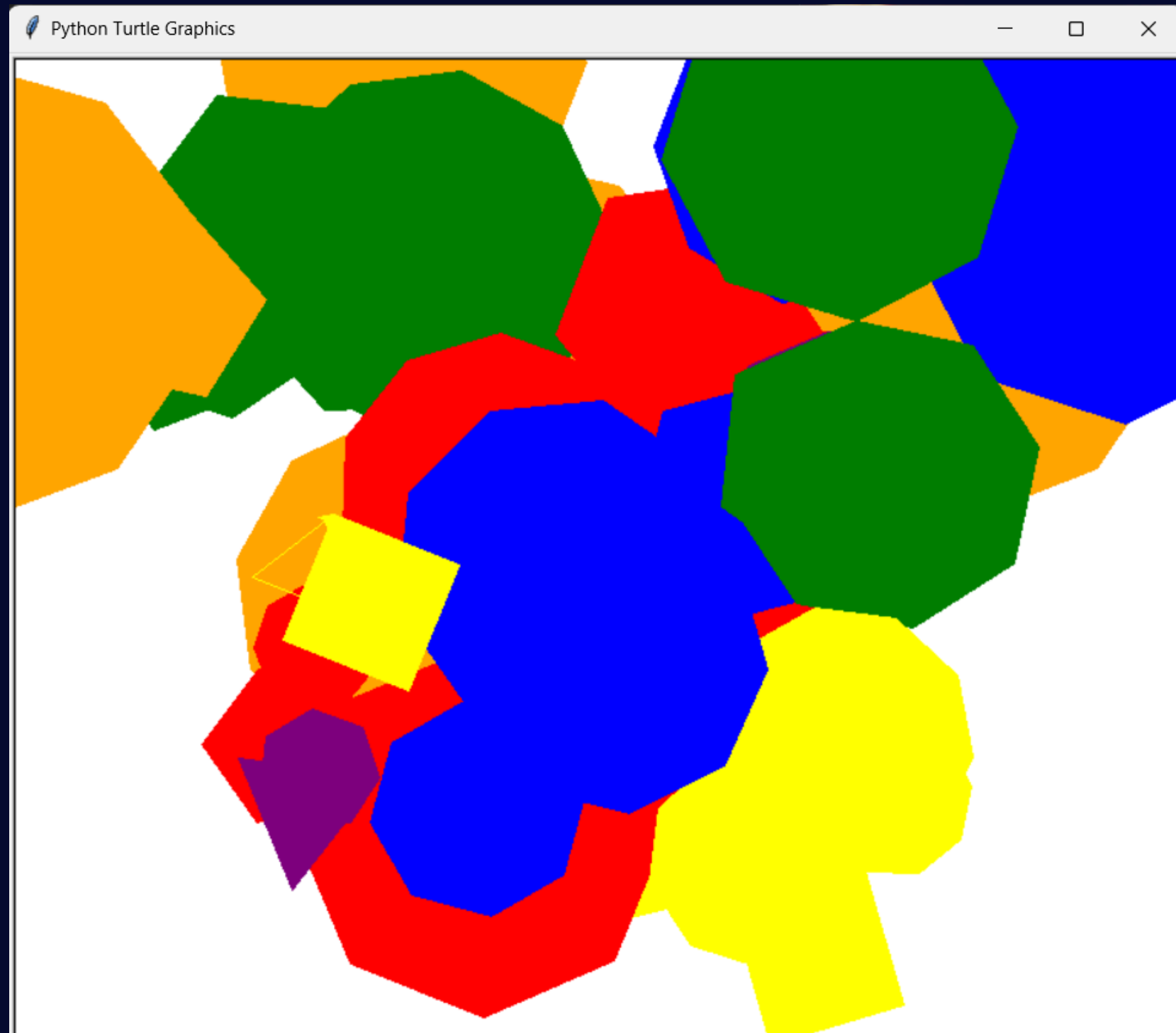
The image shows a VS Code editor window with a Python file named `dibujo.py`. The code uses the `turtle` module to draw random shapes. The script includes imports for `turtle`, `random`, and a custom `checker` module. A function `draw_random_shapes()` is defined, which generates random shapes with varying sides and lengths. The script also includes a `main` function and a `__name__ == '__main__':` block to execute the drawing.

```
1 import turtle
2 import random
3 import checker # Importa el módulo de verificación que escribimos
4
5 def draw_random_shapes():
6     shapes = random.randint(1, 5) # Número aleatorio de formas a dibujar en un grupo
7     for _ in range(shapes):
8         sides = random.randint(2, 10)
9         length = random.randint(10, 100)
10        angle = 360 / sides
11        turtle.begin_fill()
12        for _ in range(sides):
13            turtle.forward(length)
14            turtle.right(angle)
15        turtle.end_fill()
16        turtle.right(random.randint(0, 360)) # Gira un ángulo aleatorio antes de la siguiente
```

The terminal output shows the execution of the script, including a traceback for a `TypeError` and a `SystemExit` error.

```
python dibujo.py
Traceback (most recent call last):
  File "C:\Users\julio\Desktop\lab8\dibujo.py", line 28, in <module>
    main()
  File "C:\Users\julio\Desktop\lab8\dibujo.py", line 25, in main
    draw_shape(sides, length)
  File "C:\Users\julio\Desktop\lab8\dibujo.py", line 8, in draw_shape
    turtle.right(angle)
  File "<string>", line 5, in right
turtle.Terminator
python dibujo.py
python dibujo.py
Traceback (most recent call last):
  File "C:\Users\julio\Desktop\lab8\dibujo.py", line 33, in <module>
    main()
  File "C:\Users\julio\Desktop\lab8\dibujo.py", line 30, in main
```

COMPILADO



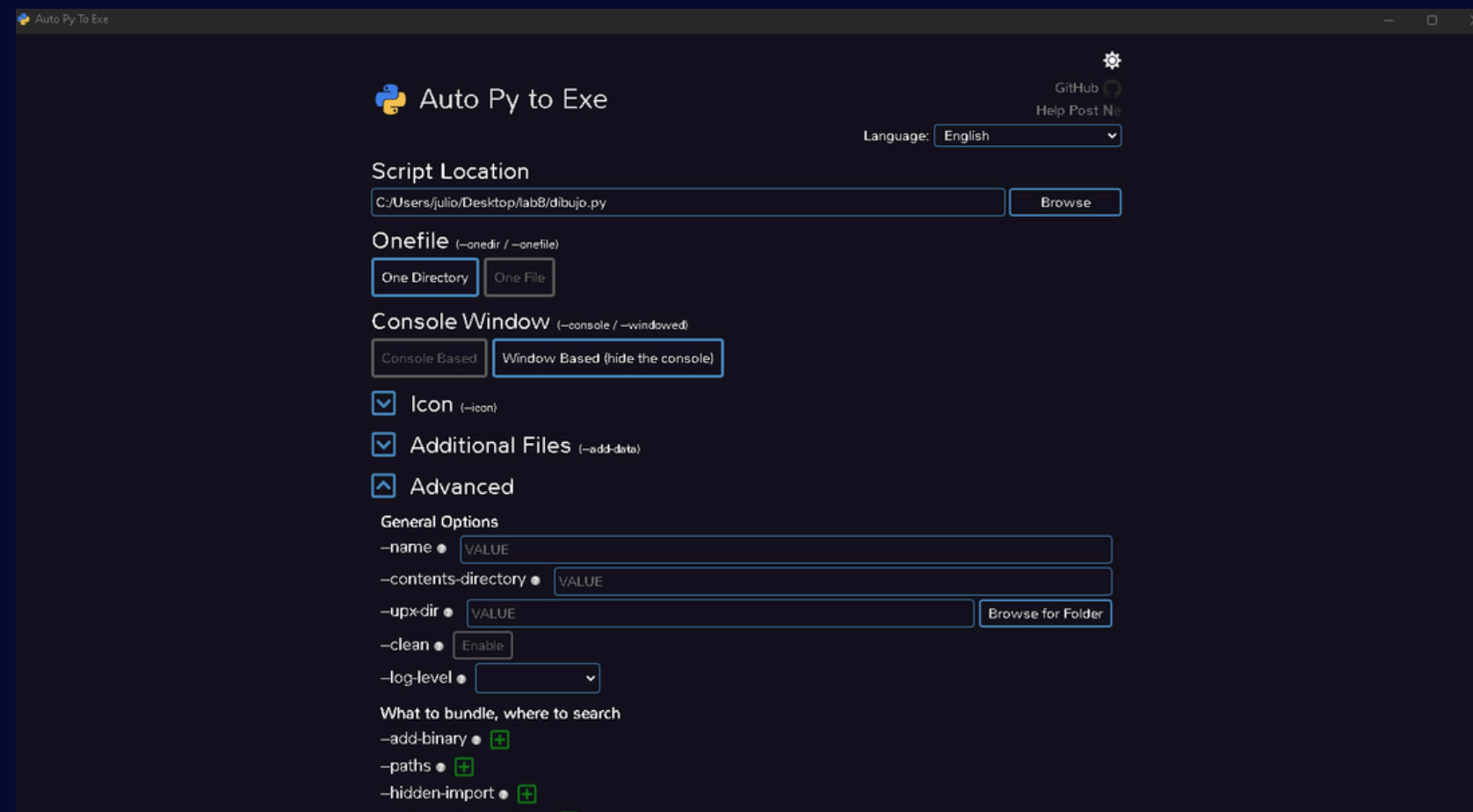
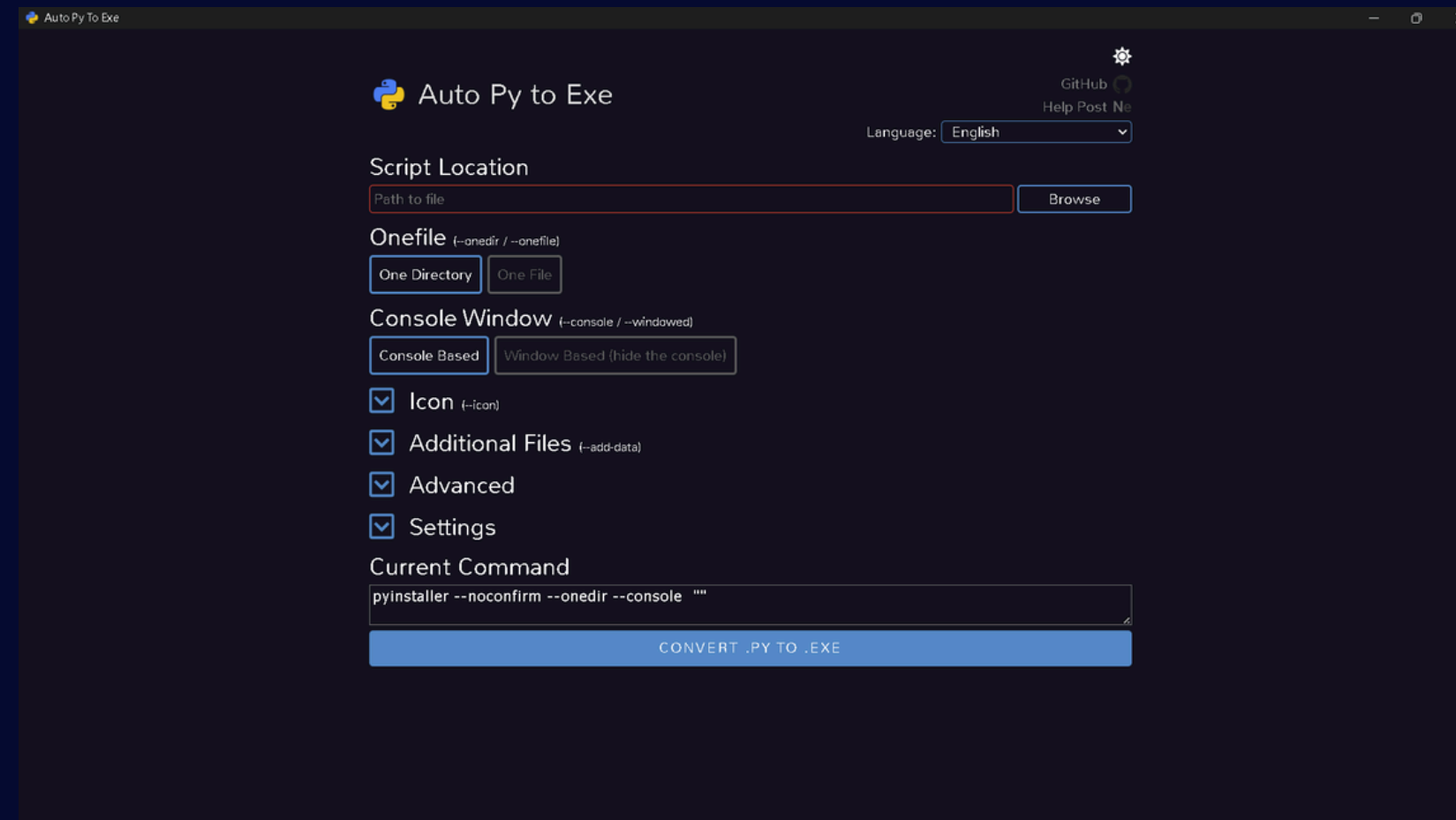
INSTALACIÓN

```
Administrator: PowerShell
PowerShell 7.4.2
Loading personal and system profiles took 767ms.
~ pwsh 0ms default@us-east-1 minikube :: default 100% 16,13:05
>> cd desktop
~ pwsh 2ms default@us-east-1 minikube :: default 100% 16,13:05
>> cd lab8
~ pwsh 1ms default@us-east-1 minikube :: default 100% 16,13:05
>> pip install auto-py-to-exe
Collecting auto-py-to-exe
  Using cached auto_py_to_exe-2.43.3-py2.py3-none-any.whl.metadata (15 kB)
Collecting Eel>=0.11.0 (from auto-py-to-exe)
  Using cached Eel-0.16.0-py3-none-any.whl
Requirement already satisfied: pyinstaller>=5.8.0 in c:\python312\lib\site-packages (from auto-py-to-exe) (6.6.0)
Collecting requests (from auto-py-to-exe)
  Using cached requests-2.31.0-py3-none-any.whl.metadata (4.6 kB)
Requirement already satisfied: bottle in c:\python312\lib\site-packages (from Eel>=0.11.0->auto-py-to-exe) (0.12.25)
Collecting bottle-websocket (from Eel>=0.11.0->auto-py-to-exe)
  Using cached bottle_websocket-0.2.9-py3-none-any.whl
Collecting future (from Eel>=0.11.0->auto-py-to-exe)
  Using cached future-1.0.0-py3-none-any.whl.metadata (4.0 kB)
Collecting pyparsing (from Eel>=0.11.0->auto-py-to-exe)
  Using cached pyparsing-3.1.2-py3-none-any.whl.metadata (5.1 kB)
Requirement already satisfied: whichcraft in c:\python312\lib\site-packages (from Eel>=0.11.0->auto-py-to-exe) (0.6.1)
Requirement already satisfied: setuptools>=42.0.0 in c:\python312\lib\site-packages (from pyinstaller>=5.8.0->auto-py-to-exe) (69.5.1)
Requirement already satisfied: altgraph in c:\python312\lib\site-packages (from pyinstaller>=5.8.0->auto-py-to-exe) (0.17.4)
Requirement already satisfied: pyinstaller-hooks-contrib>=2024.3 in c:\python312\lib\site-packages (from pyinstaller>=5.8.0->auto-py-to-exe) (2024.6)
Requirement already satisfied: packaging>=22.0 in c:\python312\lib\site-packages (from pyinstaller>=5.8.0->auto-py-to-exe) (24.1)
```

```
Administrator: PowerShell
Using cached certifi-2024.2.2-py3-none-any.whl (163 kB)
Using cached charset_normalizer-3.3.2-cp312-cp312-win_amd64.whl (100 kB)
Using cached idna-3.7-py3-none-any.whl (66 kB)
Using cached urllib3-2.2.1-py3-none-any.whl (121 kB)
Using cached future-1.0.0-py3-none-any.whl (491 kB)
Using cached pyparsing-3.1.2-py3-none-any.whl (103 kB)
Using cached gevent_websocket-0.10.1-py3-none-any.whl (22 kB)
Using cached gevent-24.2.1-cp312-cp312-win_amd64.whl (1.5 MB)
Using cached cffi-1.16.0-cp312-cp312-win_amd64.whl (181 kB)
Using cached greenlet-3.0.3-cp312-cp312-win_amd64.whl (293 kB)
Using cached zope.event-5.0-py3-none-any.whl (6.8 kB)
Using cached pycparser-2.22-py3-none-any.whl (117 kB)
Installing collected packages: zope.interface, zope.event, urllib3, pyparsing, pycparser, idna, greenlet, future, charse
t-normalizer, certifi, requests, cffi, gevent, gevent-websocket, bottle-websocket, Eel, auto-py-to-exe
Successfully installed Eel-0.16.0 auto-py-to-exe-2.43.3 bottle-websocket-0.2.9 certifi-2024.2.2 cffi-1.16.0 charset-norm
alizer-3.3.2 future-1.0.0 gevent-24.2.1 gevent-websocket-0.10.1 greenlet-3.0.3 idna-3.7 pycparser-2.22 pyparsing-3.1.2 r
equests-2.31.0 urllib3-2.2.1 zope.event-5.0 zope.interface-6.4
~ pwsh 5s 546ms default@us-east-1 minikube :: default 100% 16,13:05
>> auto-py-to-exe
Warning: Installing shim for bottle import redirects (using Python=3.12.1 and bottle=0.12.25)
```

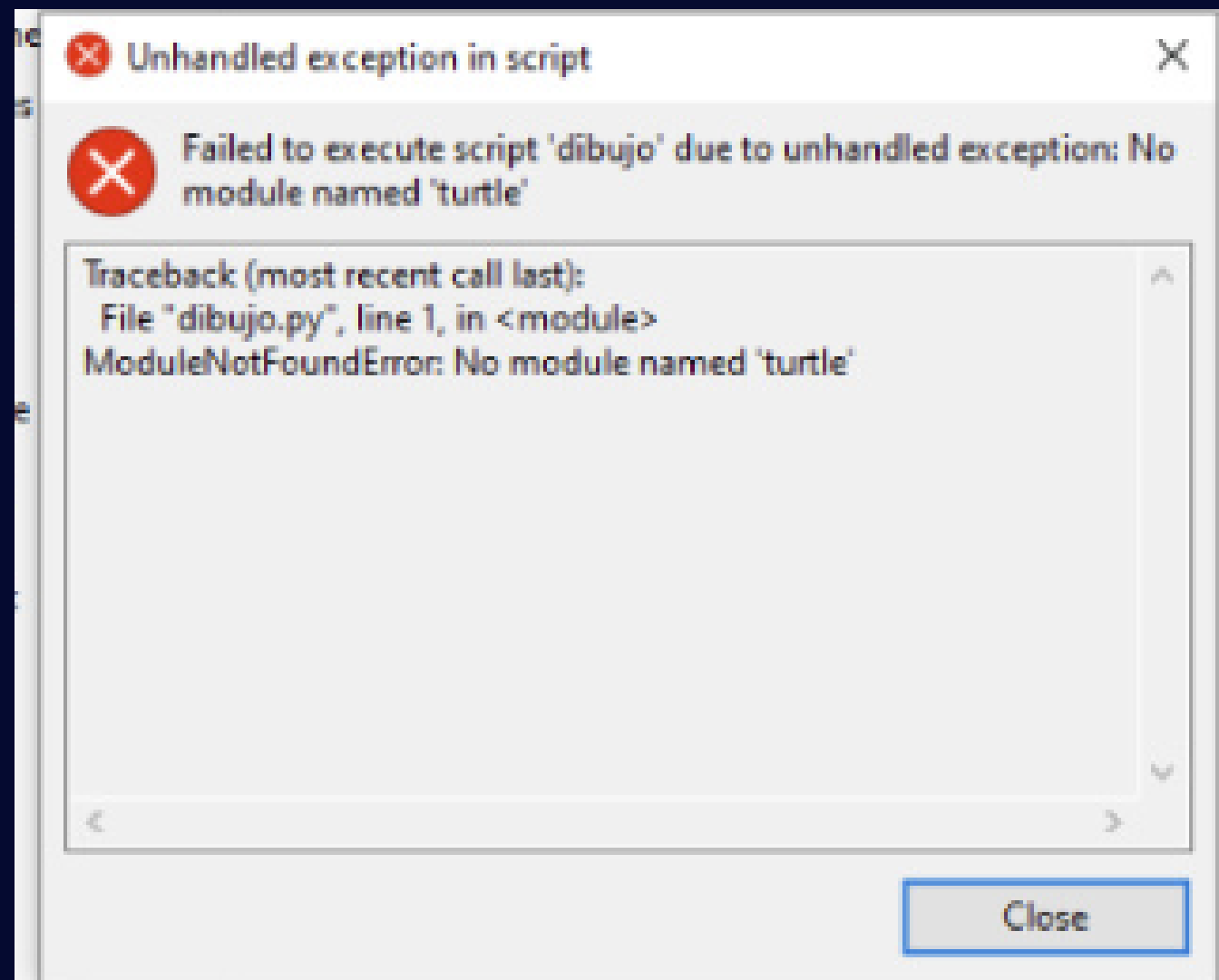
Muestra la configuración que se realiza antes de instalar nuestro programa y tambien tonde excluimos las librerias que son:

- Turtle
- Random
- Cheker
- Ctype

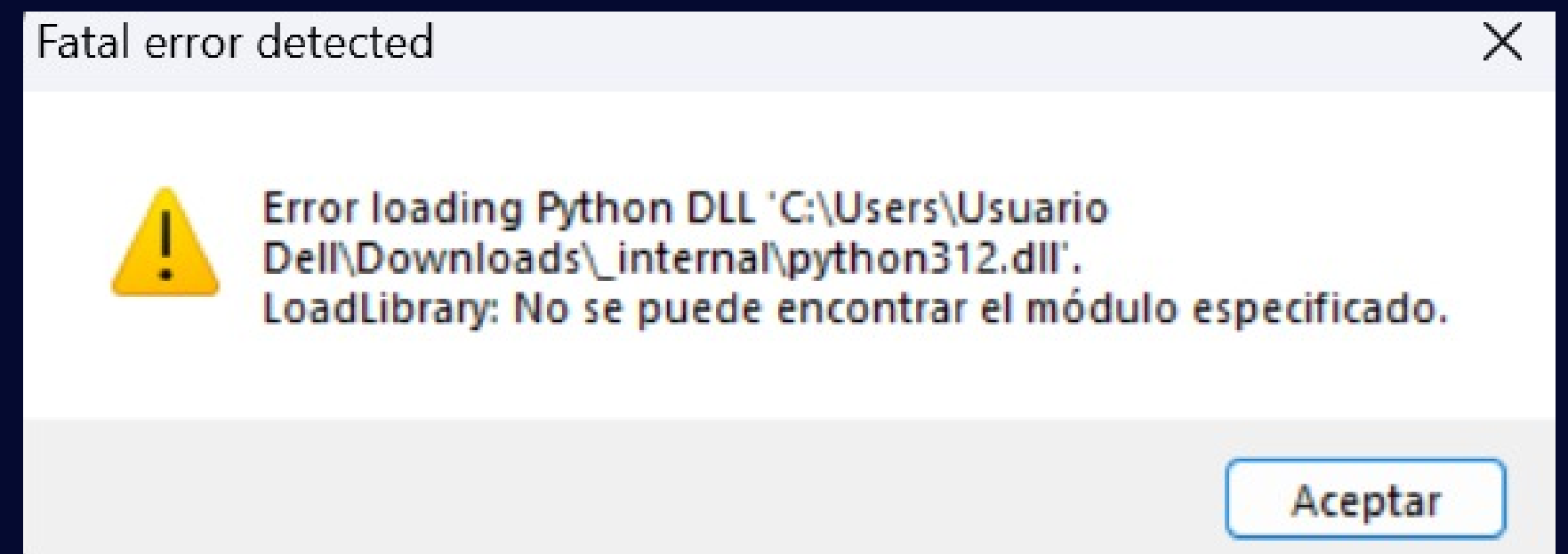




ERRORES



Error en una VM



Error en máquina de un integrante

NOISISTION

Limitaciones en el Control Detallado: Mientras que auto-py-to-exe es excelente para configuraciones estándar, puede ofrecer menos control sobre aspectos detallados de la compilación en comparación con usar directamente PyInstaller desde la línea de comandos.

Permite a los usuarios ajustar opciones de compilación de manera intuitiva, incluyendo el modo de archivo único o directorio, la adición de iconos, y más.



GRACIAS