

GETTING STARTED WITH PYTHON

INTRODUCTION

Let's get started with Python. This session is designed to introduce beginners to the basics of Python programming. You'll learn about data types, control flow, functions, and more. By the end of this session, you'll have a foundation in Python programming.



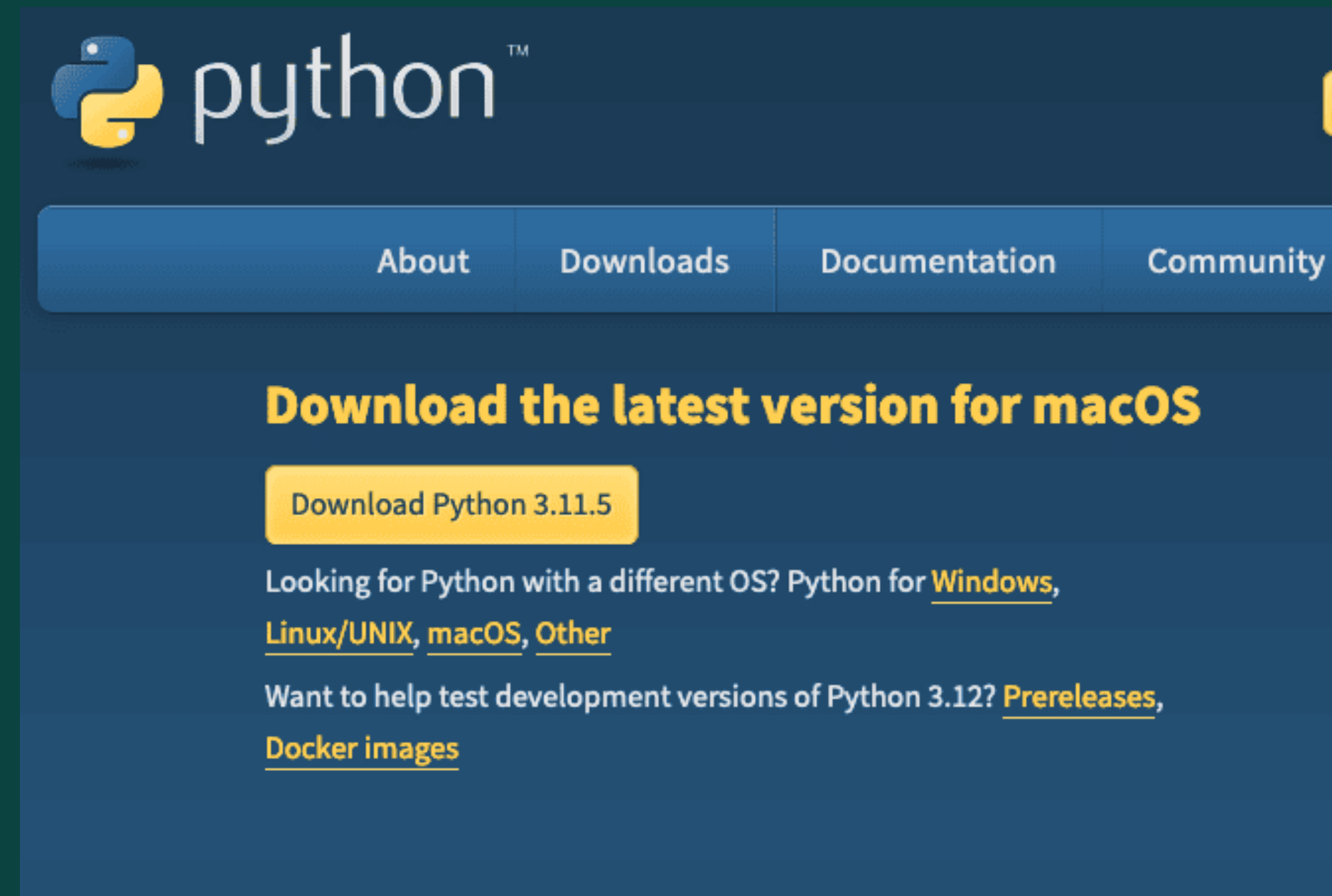
WHY PYTHON?

Python is a powerful and versatile programming language that is easy to learn. It's used by companies like Google, NASA, and Instagram. Python is great for data analysis, web development, and automation. With its large community and extensive library, Python is a great language to learn for both beginners and experienced programmers.



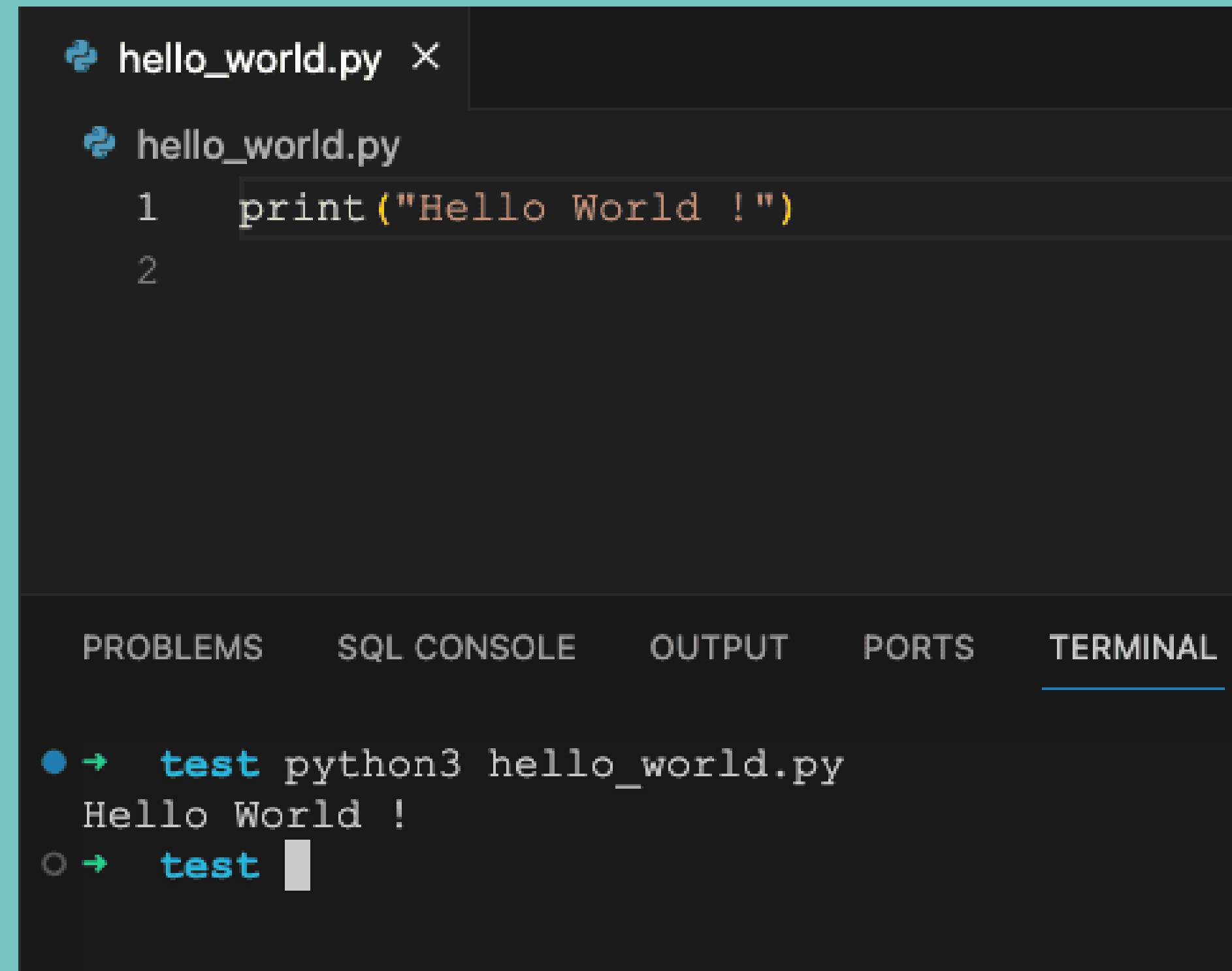
DOWNLOAD PYTHON

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



RUN PYTHON

python3 filename.py



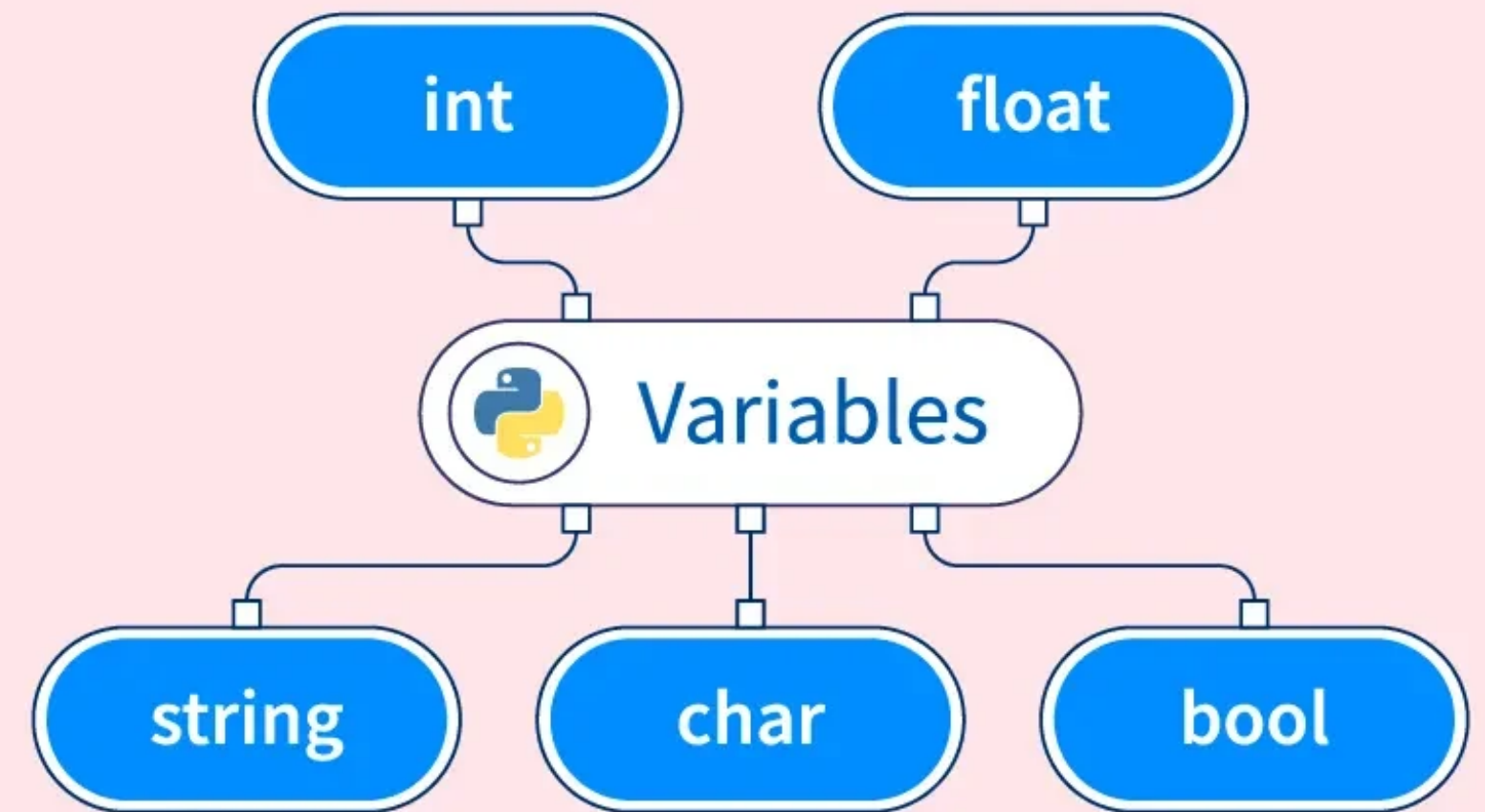
```
hello_world.py x
hello_world.py
1 print("Hello World !")
2

PROBLEMS SQL CONSOLE OUTPUT PORTS TERMINAL

● → test python3 hello_world.py
Hello World !
○ → test
```

VARIABLES AND DATA TYPES

- Integers
- Floats
- Strings
- Booleans
- List
- Tuple
- Sets
- Dictionary



Control Flow

IF - statement

FOR Loop

While Loop





```
def say_hello():  
    print("hello world")
```

FUNCTIONS

Functions are reusable blocks of code that perform a specific task.

They can take input parameters and return output values.

Functions allow you to organize your code and make it more modular.



GETTING THINGS TOGETHER

Write a program that asks for student's marks for different subjects and displays them together with a total

CONCLUSION

Congratulations! You've completed basics of Python. You've learned about data types, control flow, functions, and more. With this foundation, you're ready to explore more advanced topics in Python programming. Keep practicing and you'll be a Python expert in no time!

WHAT NEXT

- Reading and Writing files
- Python modules and packages
- Classes and Objects
- Explore python standard library
- Virtualenv

<https://docs.python.org/3/tutorial/>

Thanks!

Do you have any questions?



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