

# INTRODUCTION TO PYTHON

Python is a high level programming language that is very powerful

## BASICS

### OUTPUT TEXT

```
print("Hello")
```

Your program can output simple text Strings by putting them in between Quotes

### OUTPUT NUMBERS

```
print(1234)
```

Numbers can be typed in without anything to enclose them

## VARIABLES

### STORE & USE TEXT

```
varHi = "Hi"  
print(varHi)
```

Naming variables then setting them to a value using = means we can use the name later to call the value that we set

You can change the value of a variable but not the **type** of data

### OTHER VARIABLE TYPES

```
varChar = 'a'  
varString = "Hi"  
varInt = 21  
varReal = 7.3  
varBool = True
```



changes the value of a variable

# 10 Rules for Classroom Computer Use

1

One shall not use a computer to harm other people.



One shall not copy or use proprietary software for which one has not paid.

6

2

One shall not interfere with another's computer work.



One shall not use another's computer resources without authorization or proper compensation.

7

3

One shall not snoop around in another's computer files.



One shall not appropriate another's intellectual output.

8

4

One shall not use a computer to steal.



One shall think about the social consequences of programs written or systems designed.

9

5

One shall not use a computer to bear false witness.



One shall always use a computer in ways that respect fellow classmates and teachers.

10



# WHAT IS PYTHON?



- ▶ A back end programming language
- ▶ High-level & approachable for beginners
- ▶ Has a welcoming & established community

## Used for tasks like:

Web  
Development

Scripting

Web  
Scraping

Data  
Analysis

Automation

## Used by companies like:

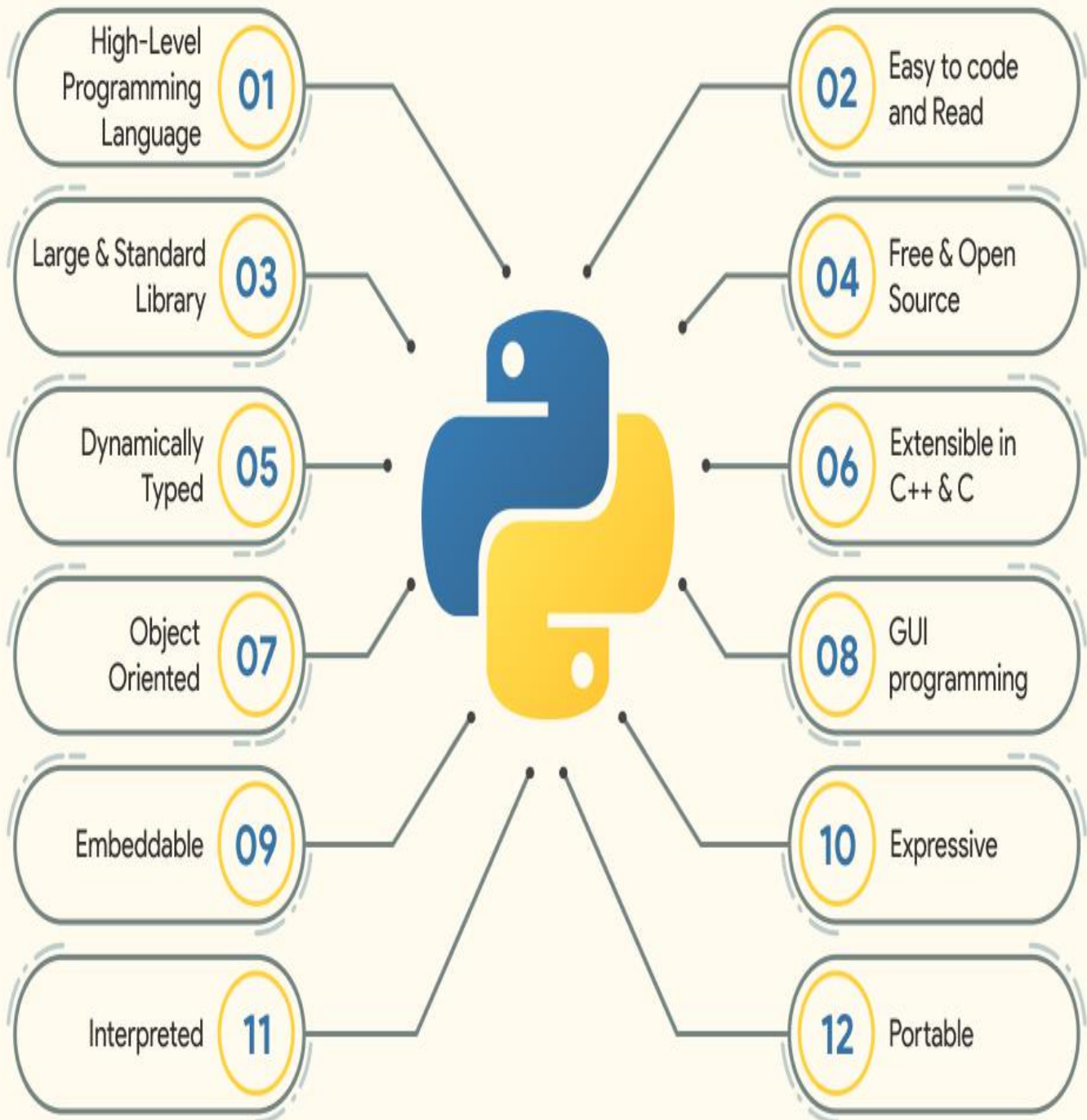


## Used with frameworks like:

**django**

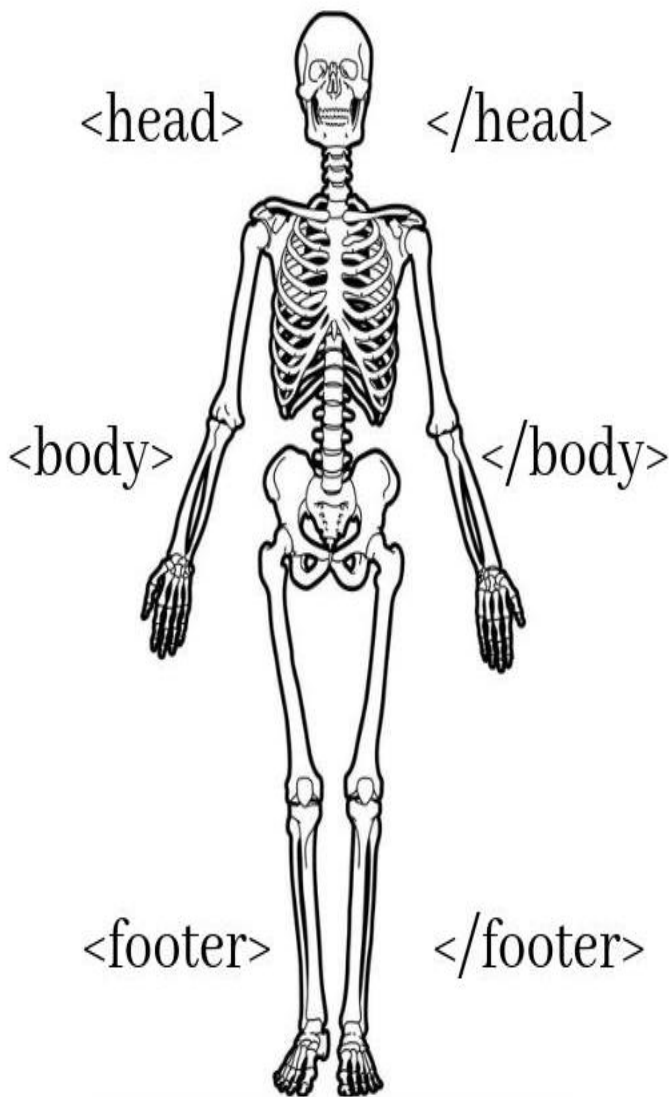


# Features of Python



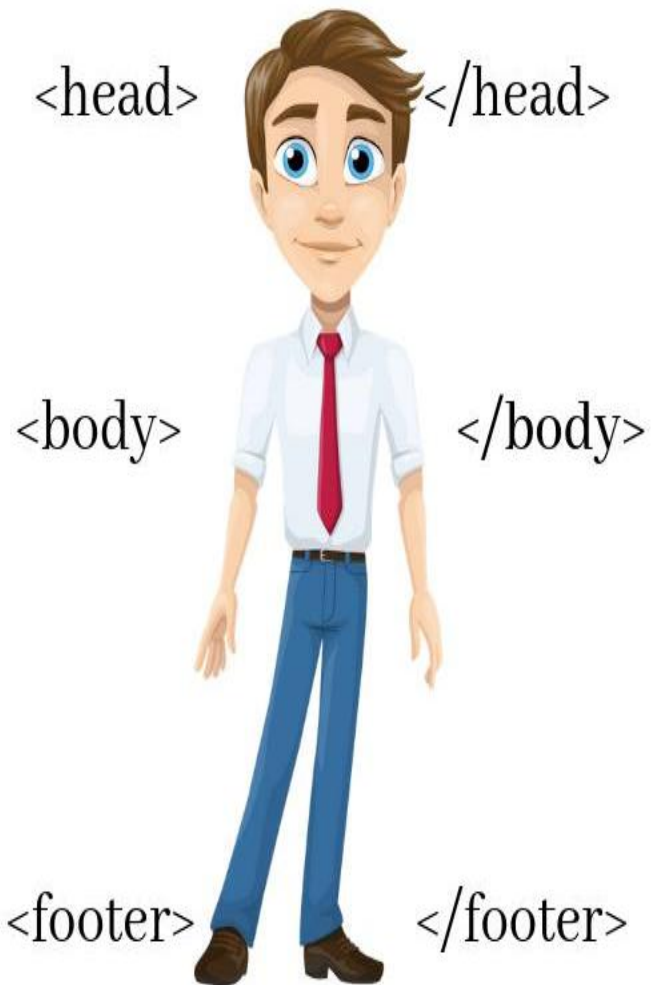
# HTML Vs CSS

## HTML

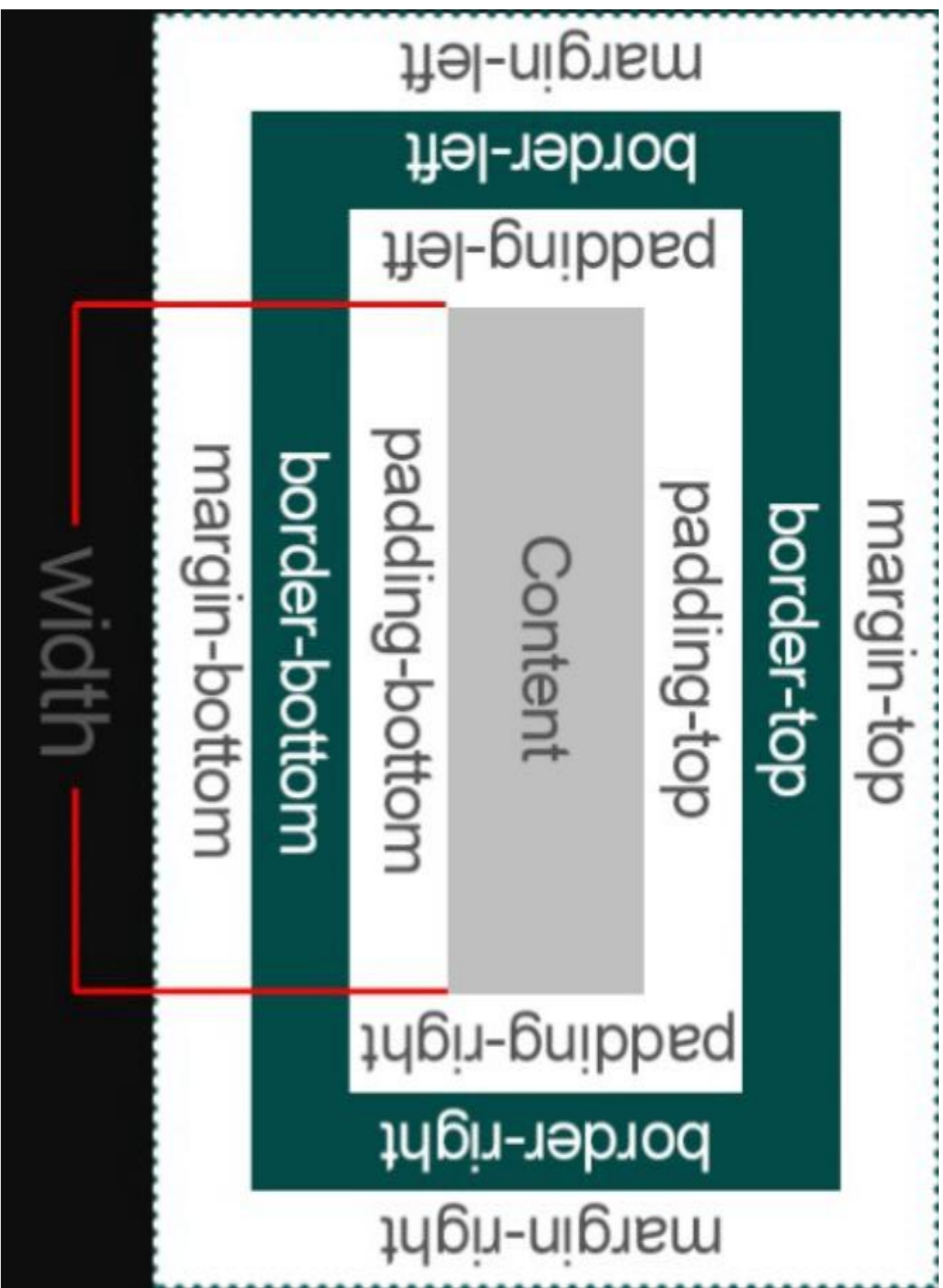


Structural Layer

## HTML + CSS



Presentational Layer





# Create Professional Website using

HTML



B

Bootstrap



CSS



