

Introduction to Programming with Python

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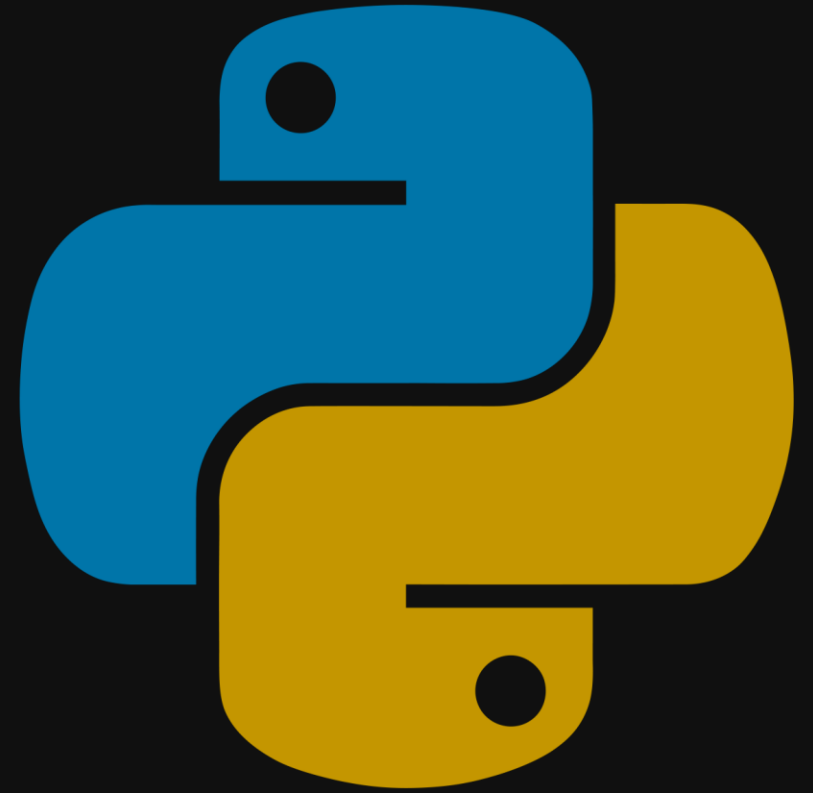


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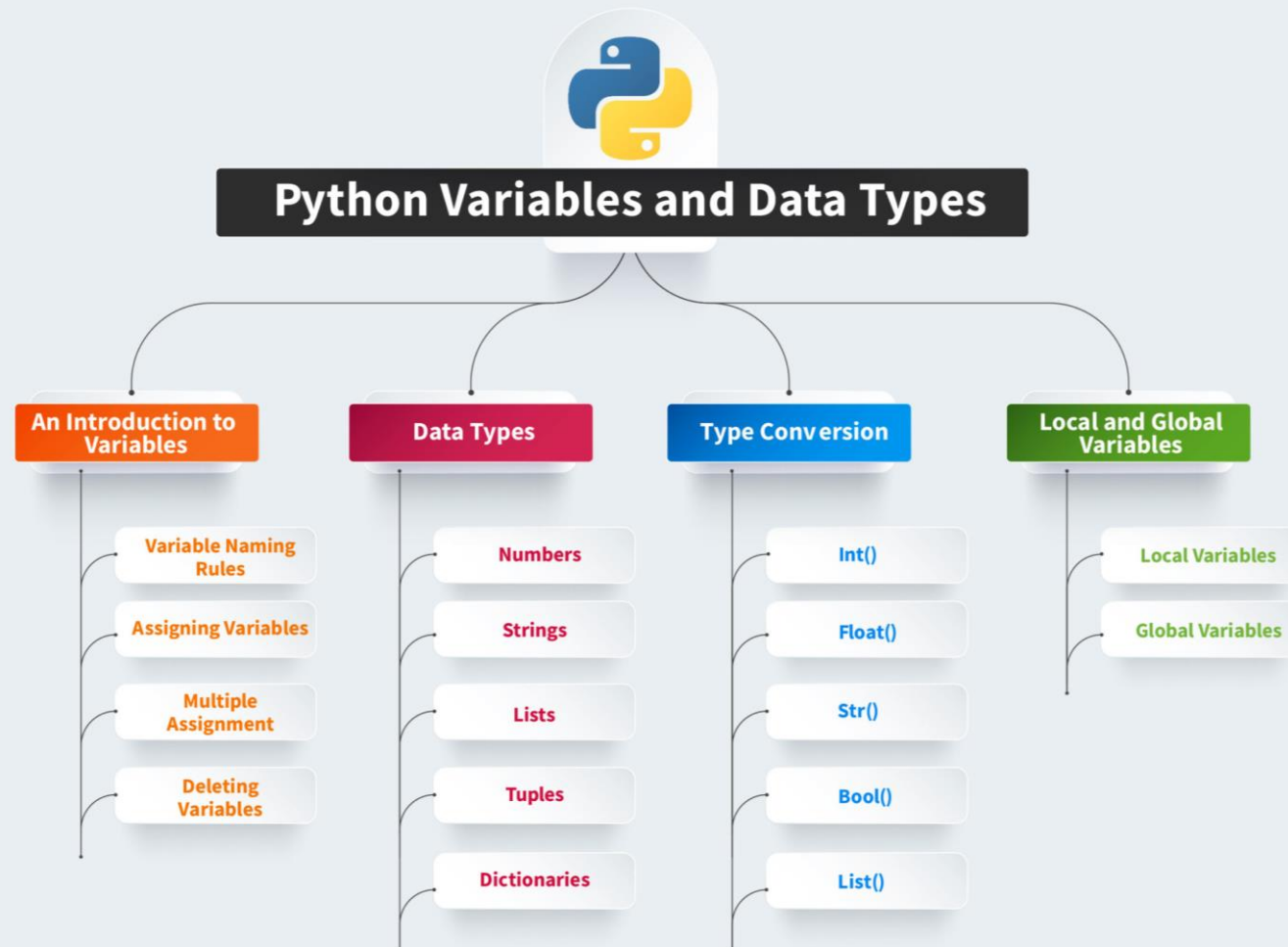


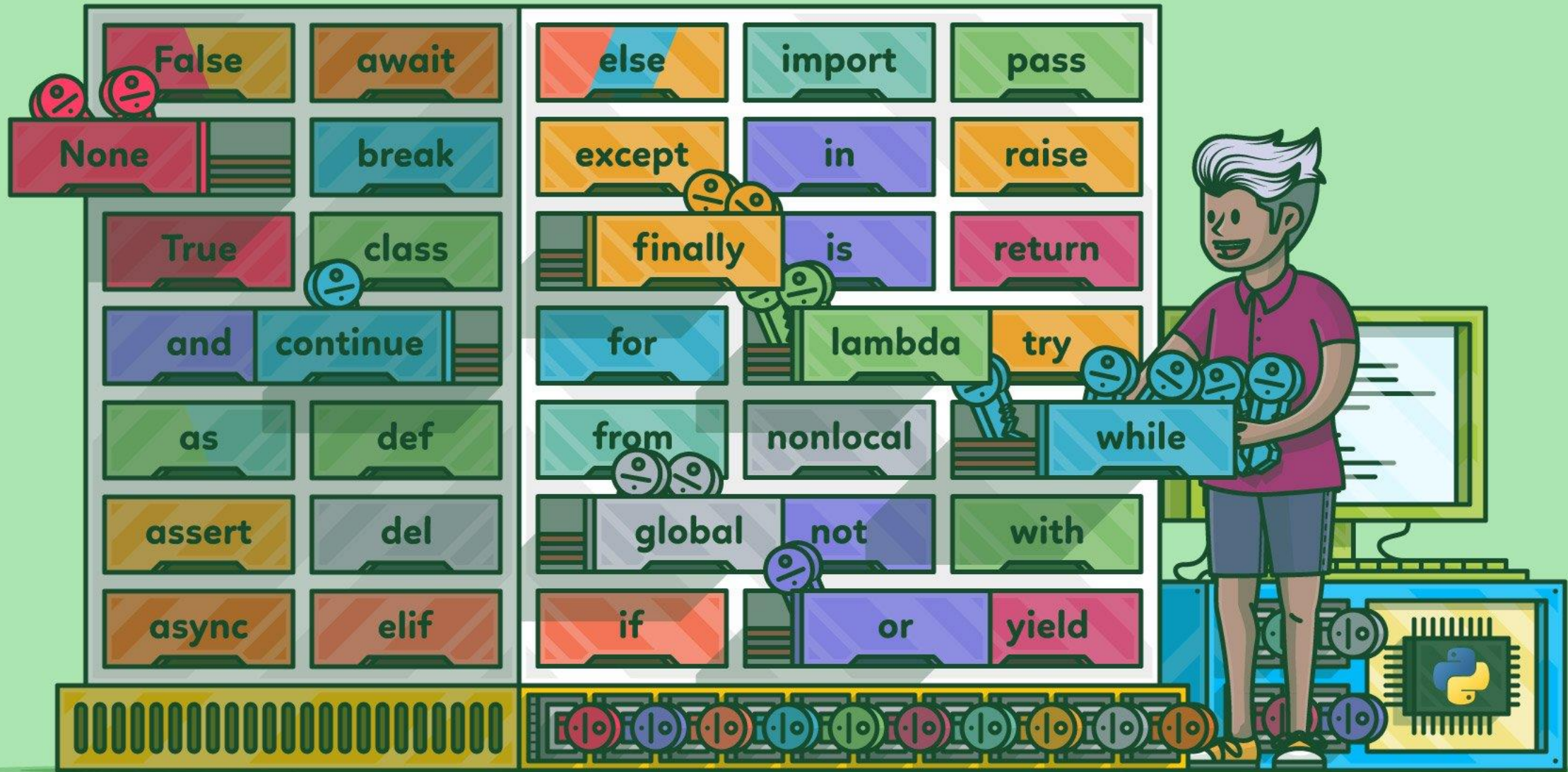


```
>>> print("Hello World")  
Hello World
```

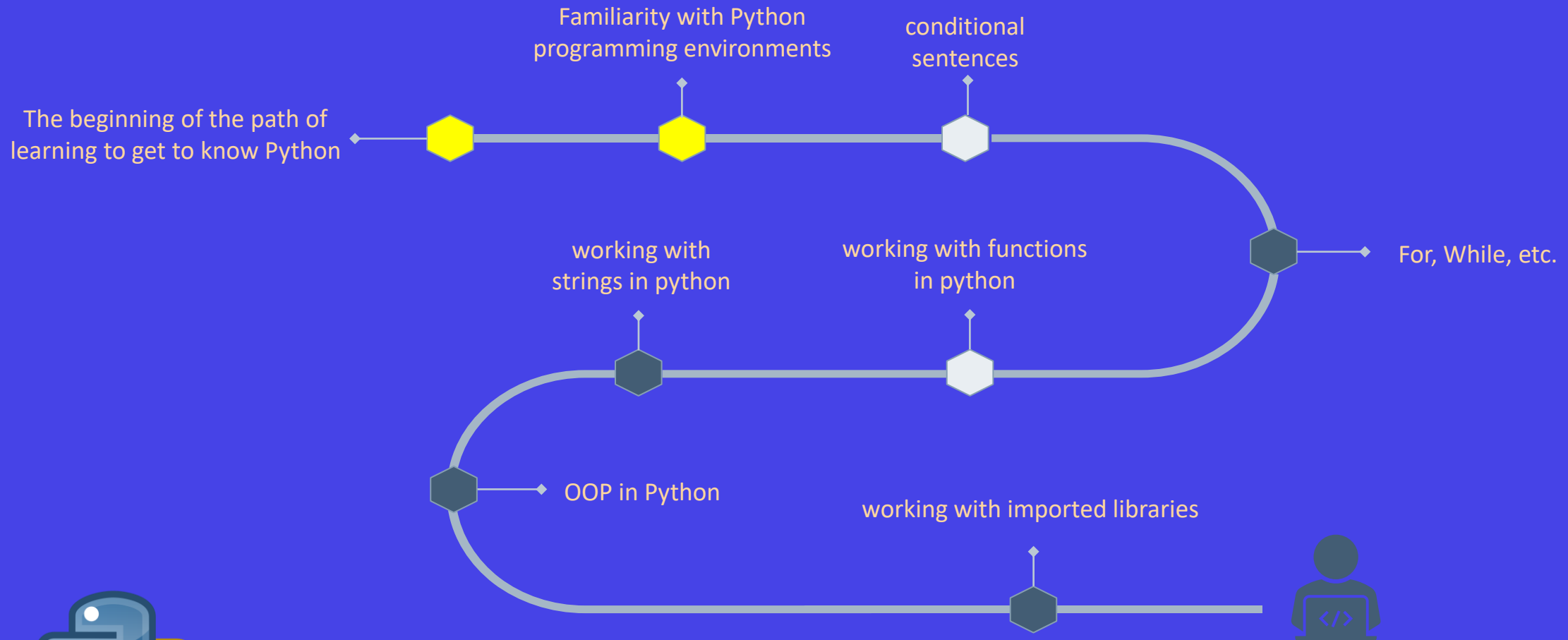


Variables, expressions, statements





Course Outline



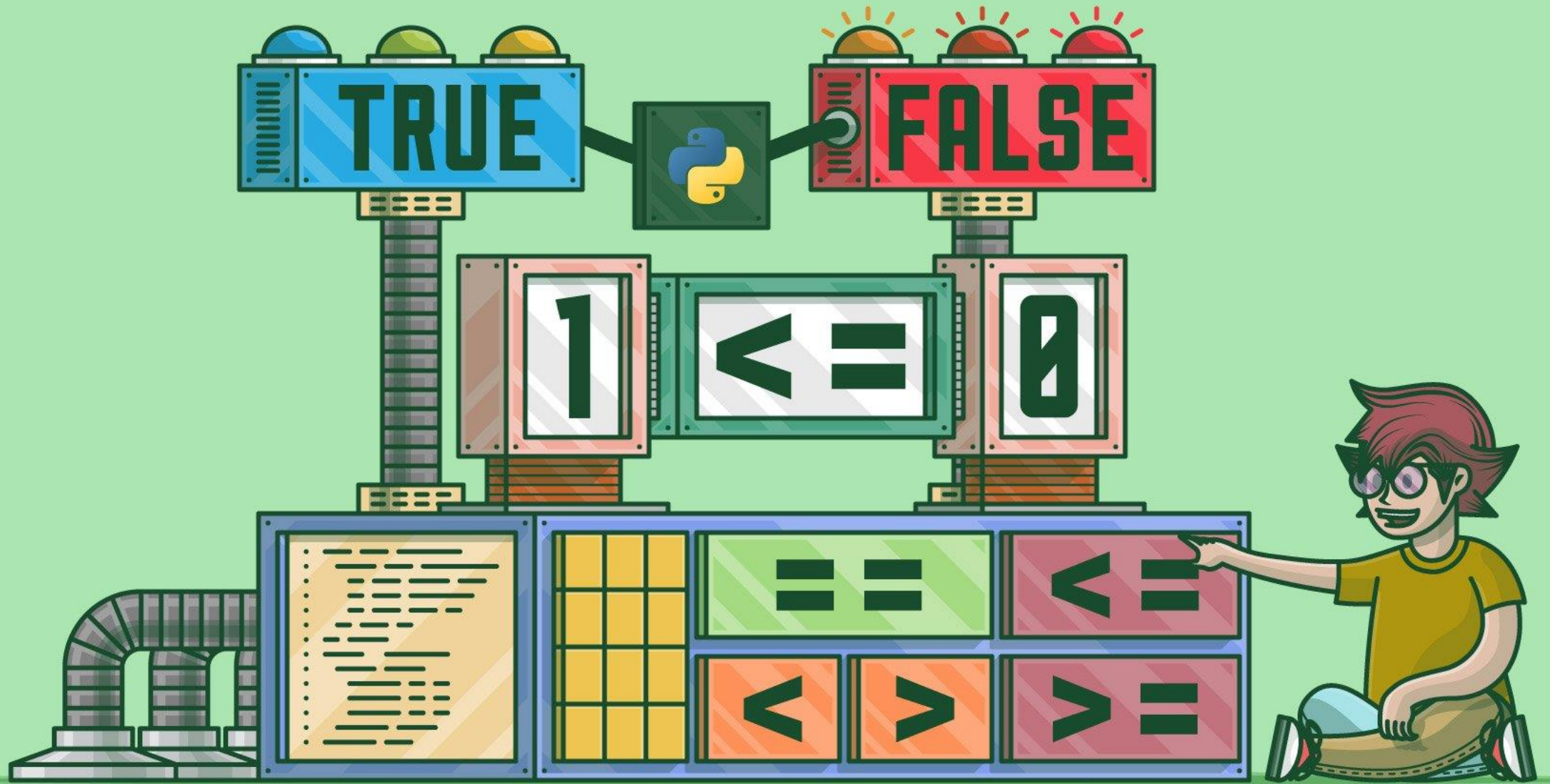
About Input Function

Comments

- Very important part of your programming
- #
- What about more than one lines of comments?

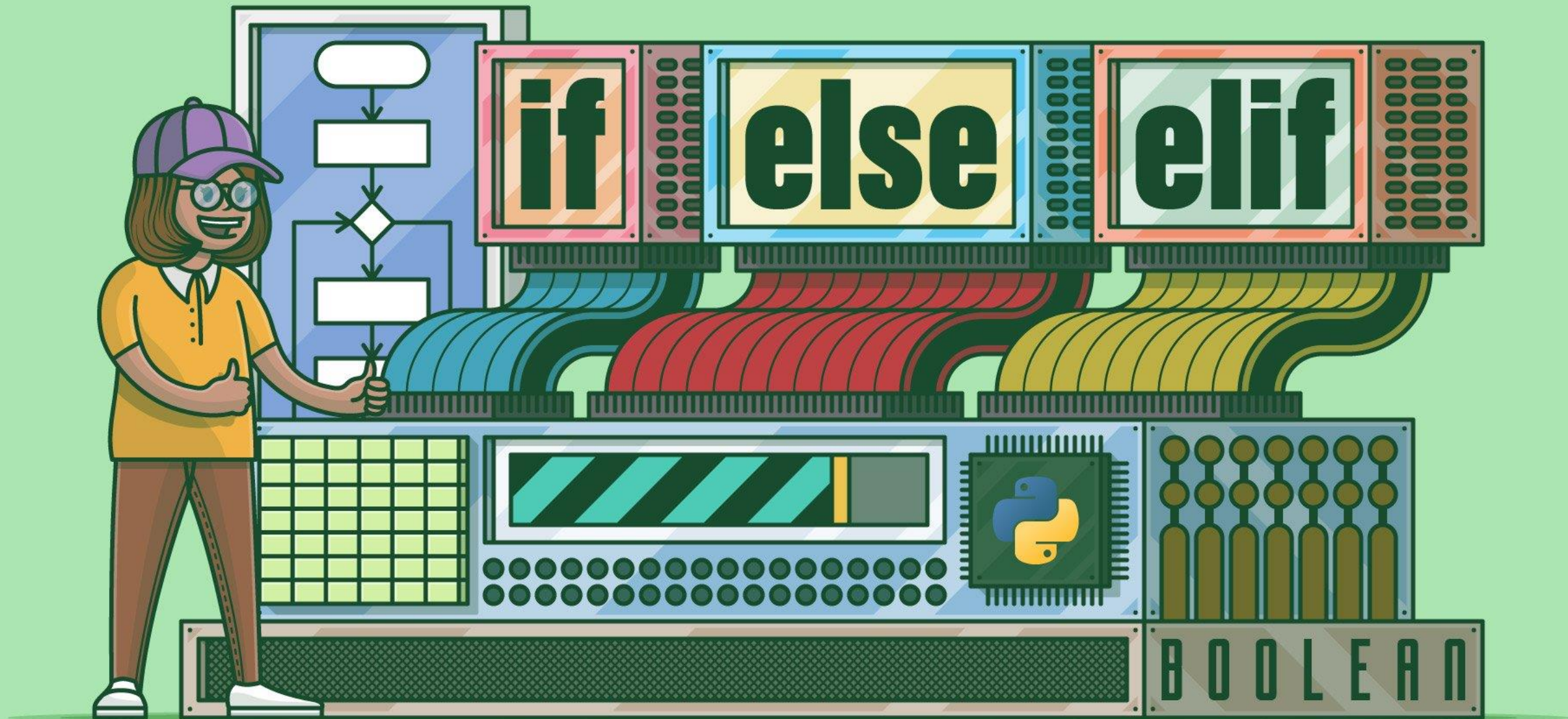
Working with Booleans in Python

- One of the most important parts in our programming
- Smart things!?
- Booleans
 - True
 - False
- Logical operators

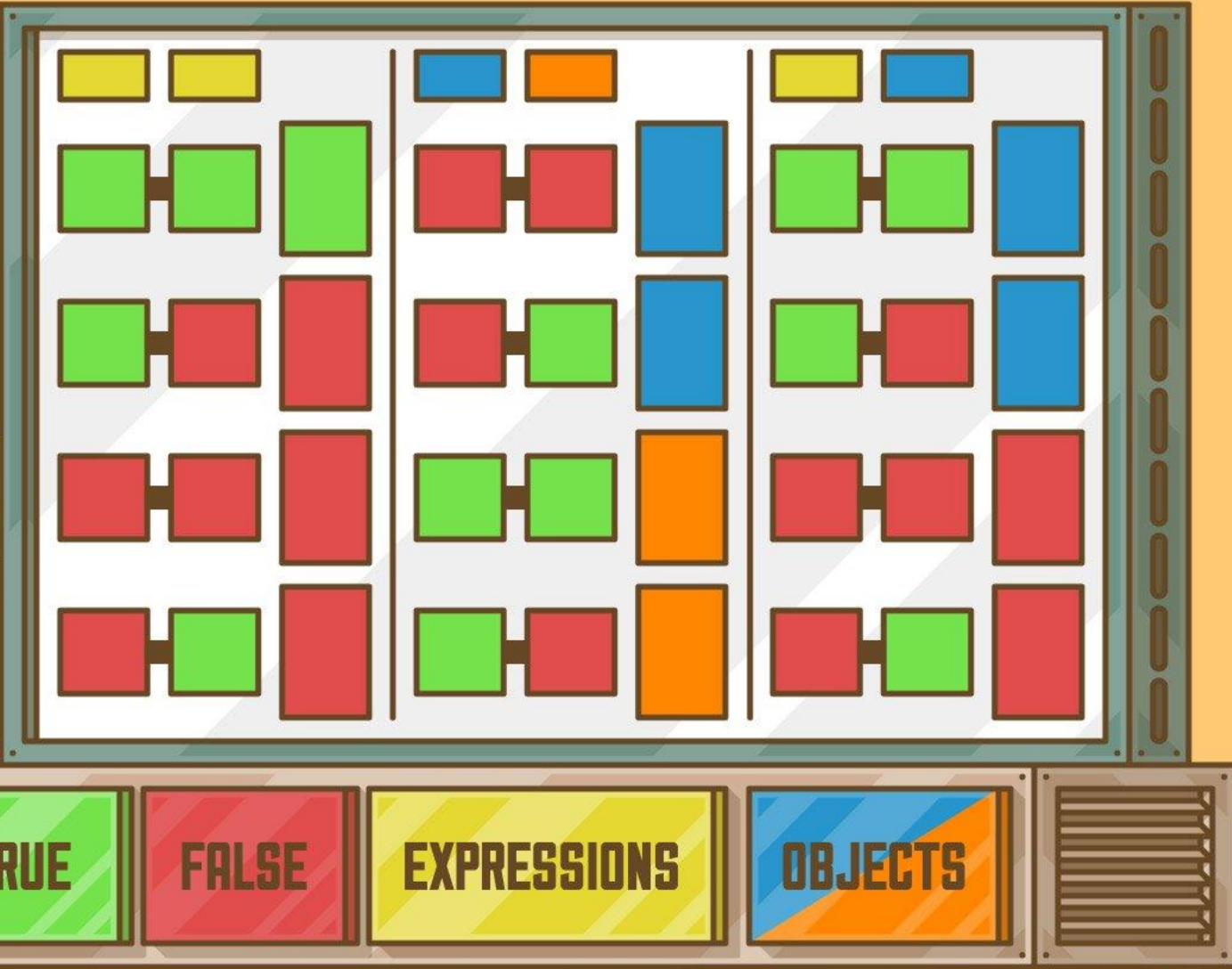


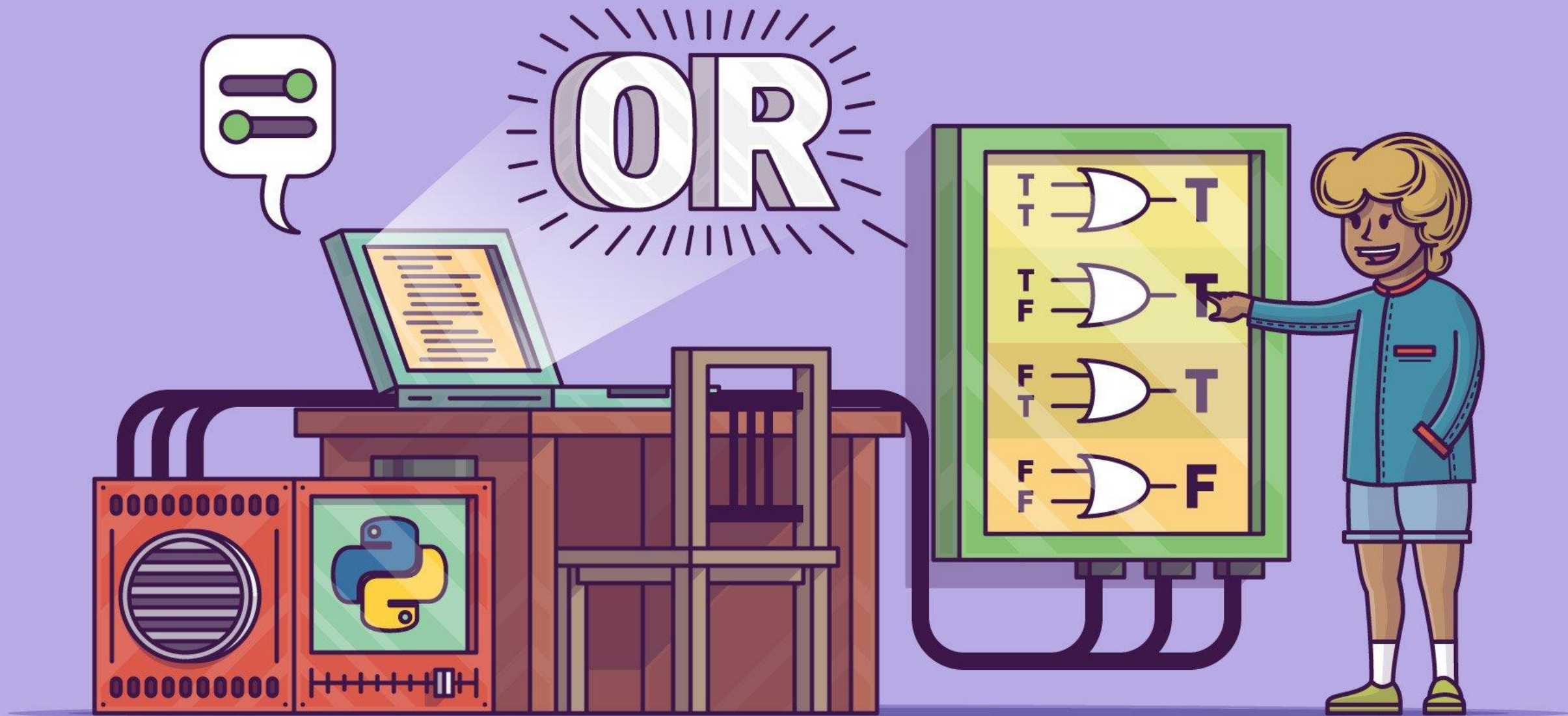
Conditional Statements

- Conditional statements (if, else, and elif) are fundamental programming constructs that allow you to control the flow of your program based on conditions that you specify. They provide a way to make decisions in your program and execute different code based on those decisions.



and





not



Working with Functions in Python

- A function is a block of code which only runs when it is called.
- You can pass data, known as parameters, into a function.
- A function can return data as a result.



Working with Functions in Python

- Creating a Function
- Calling a Function
- Arguments
- Parameters or Arguments?
- Number of Arguments
- Arbitrary Arguments, *args
- Keyword Arguments

Working with Functions in Python

- Return Values
- The pass Statement
- Recursion

About your Home Works




```
def power(num, x=1):
```

```
    res
```

```
    for
```

```
        ult
```

```
        t
```



```
er of arg
```

```
def multi_add(*args):
```

```
    result = 0
```

Contact US



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```
print("Have a nice day!")
```

