

# Introduction to Programming with Python

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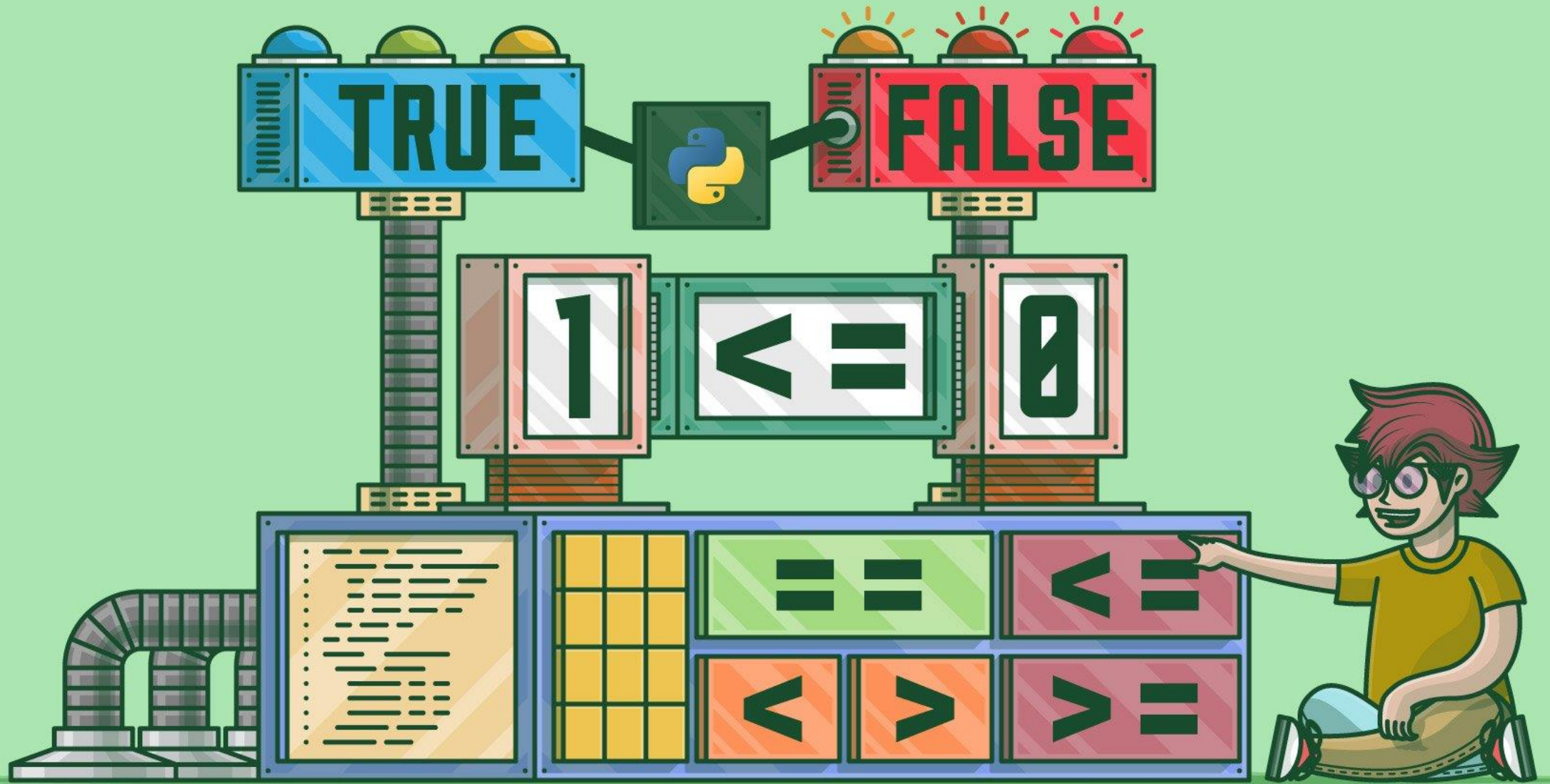
Summer 2023

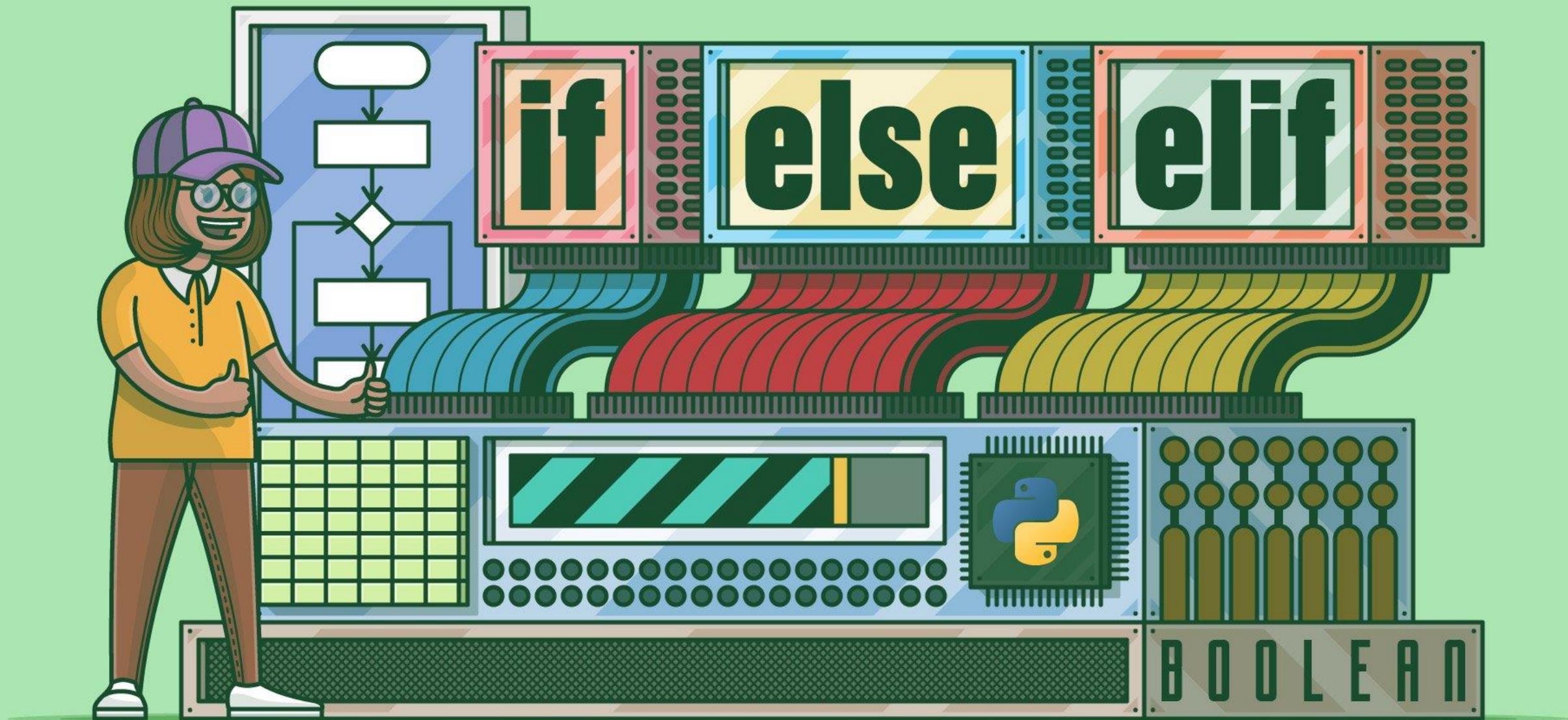


# Previously on the



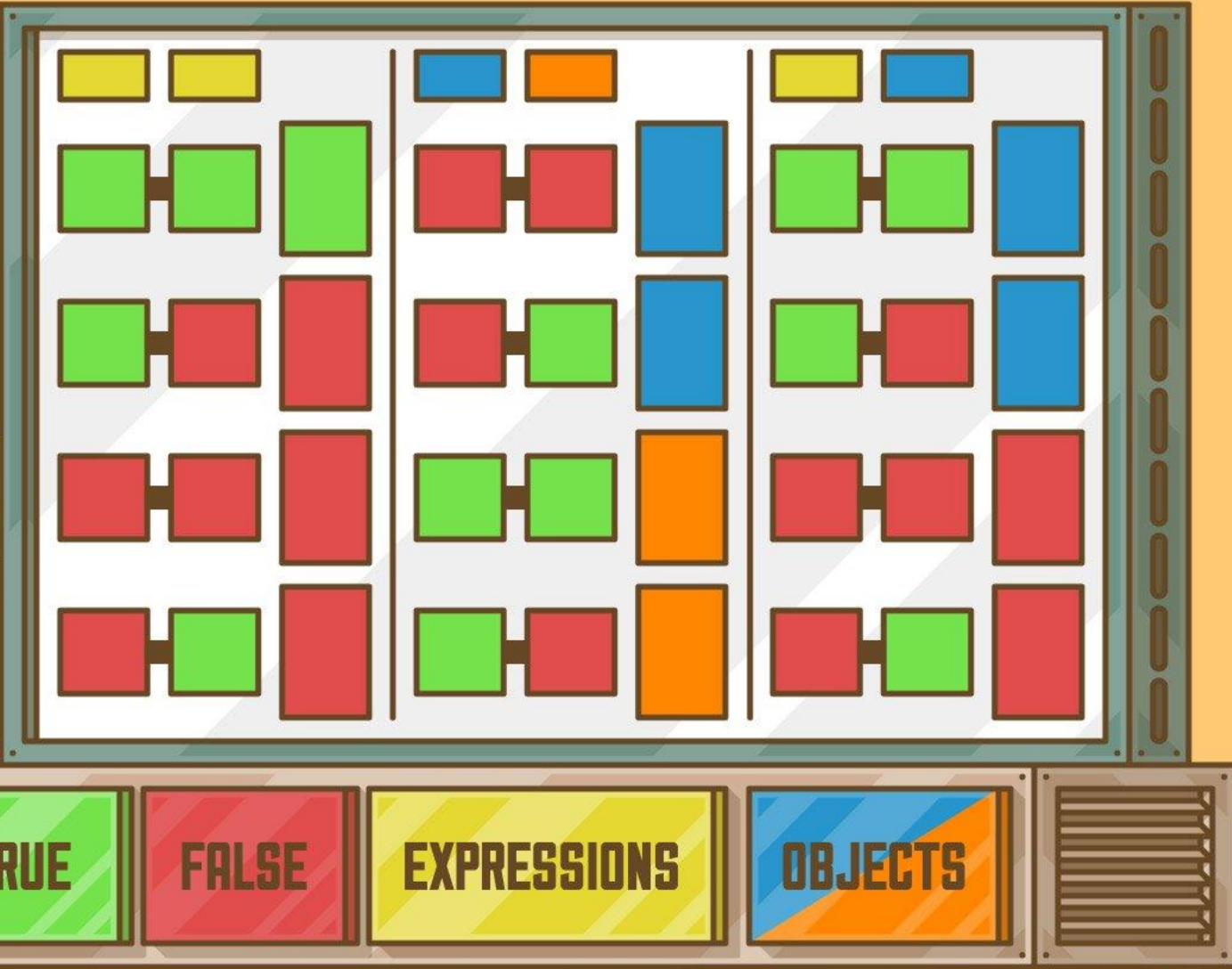
# About Input Function

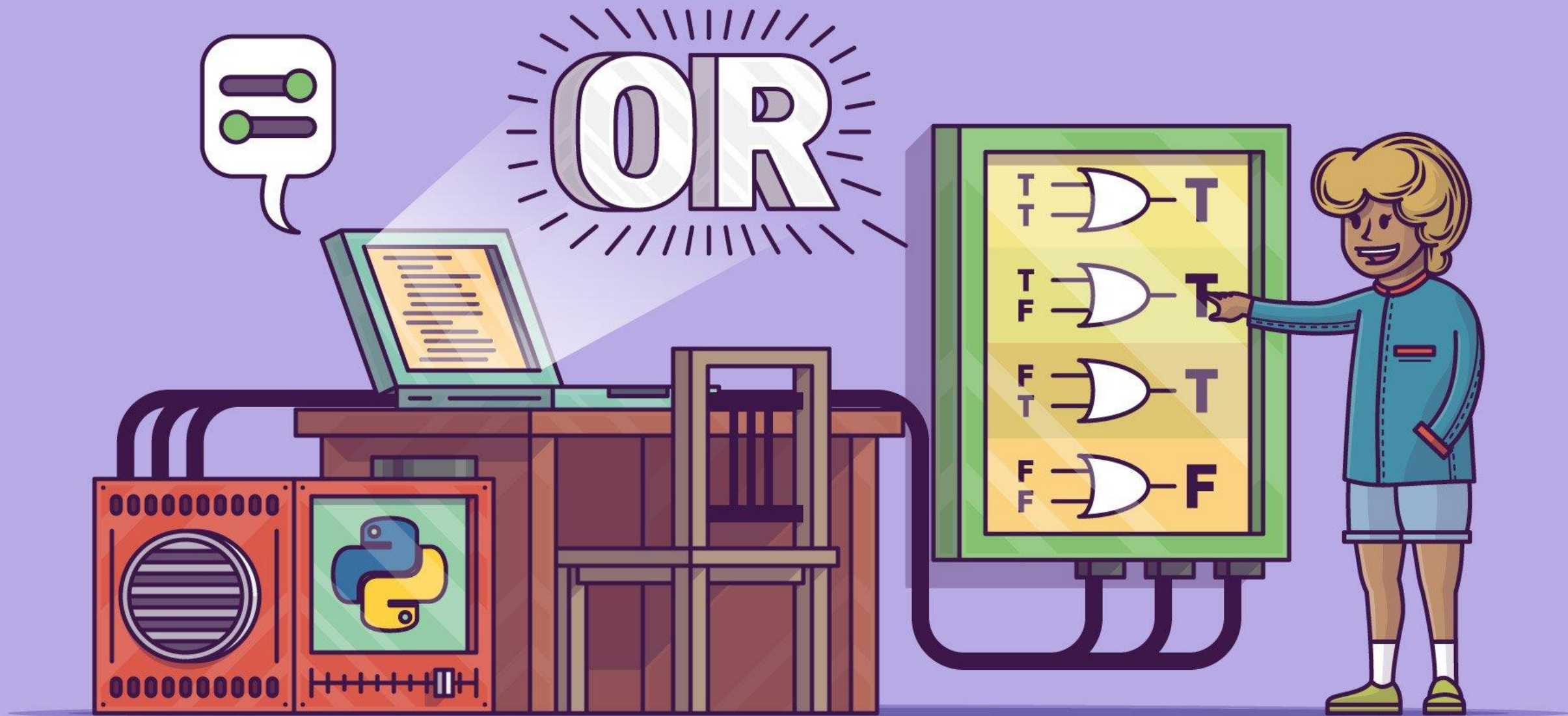






and





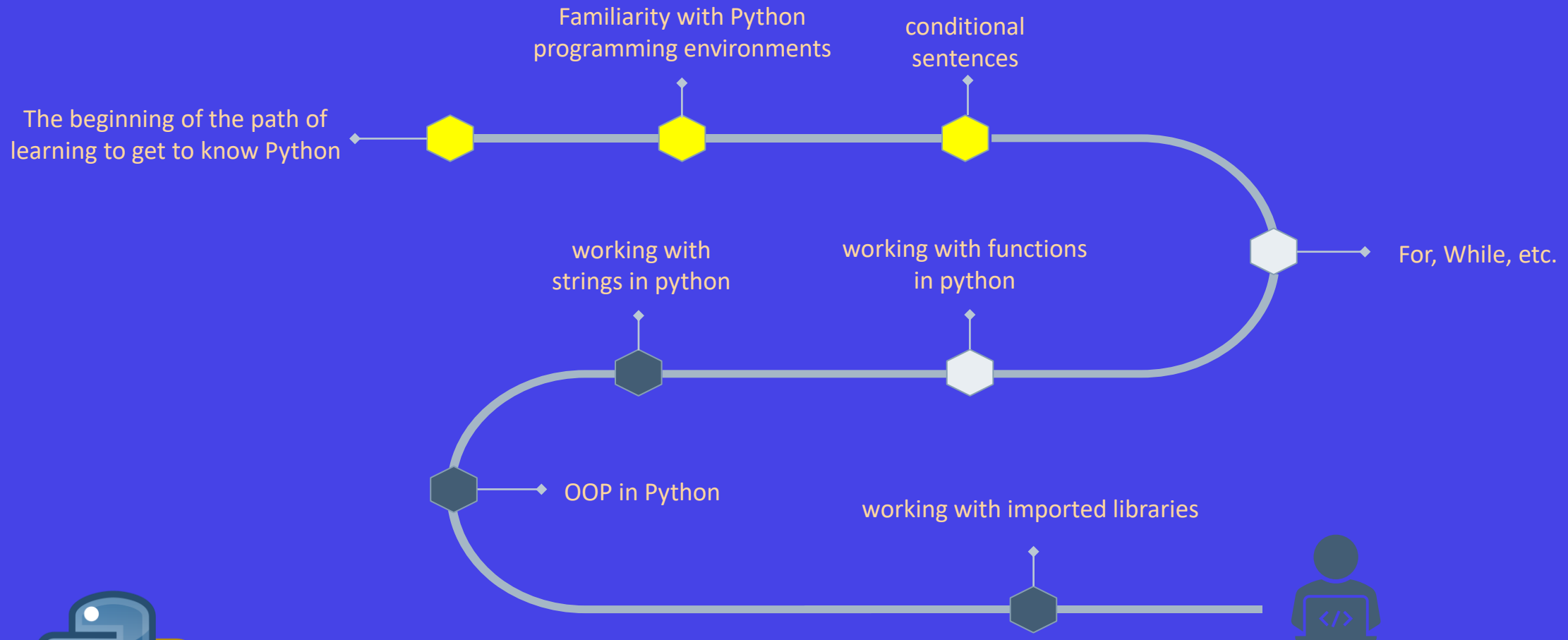
# not







# Course Outline



# Example

- Buying a milk for the House?
- How should we use functions here?

# Some simple functions

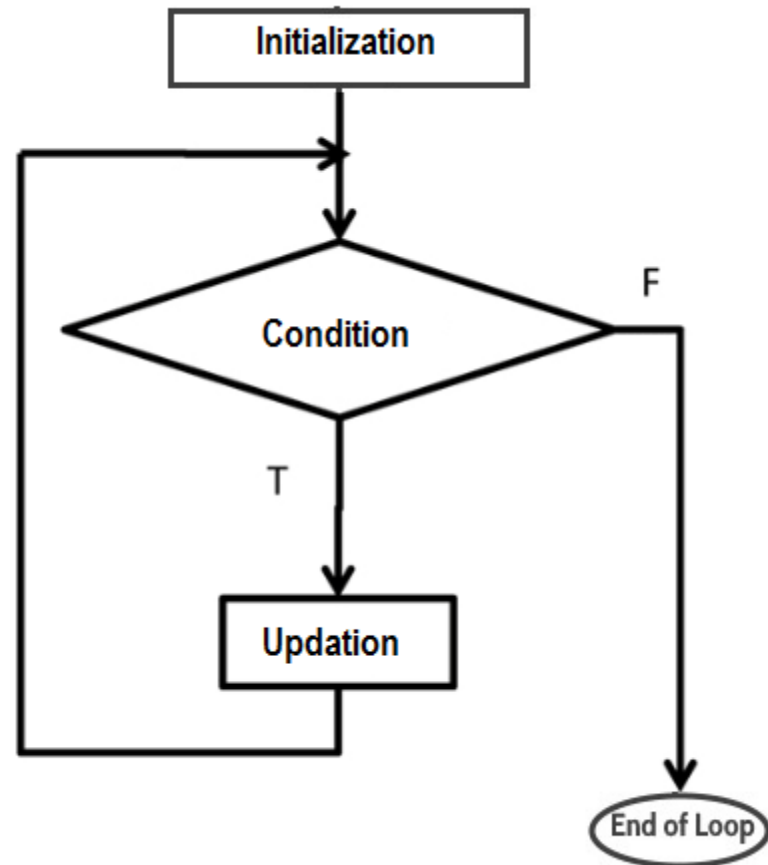
- `print("hi")`
- `int('543')`
- `str(5)`
- `min('Pouya')`
- `max('Amin')`



# Python Libraries

# python repeat loops

- while
- for
- What else?



# While

- In python, a while loop is used to execute a block of statements repeatedly until a given condition is satisfied. And when the condition becomes false, the line immediately after the loop in the program is executed.



# While

```
while expression:  
    statement(s)
```

# While

while condition:

    # execute these statements

else:

    # execute these statements

# For

- For loops are used for sequential traversal. For example: traversing a list or string or array etc. In Python, there is “for in” loop which is similar to for each loop in other languages. Let us learn how to use for in loop for sequential traversals.

# For

```
for iterator_var in sequence:  
    statements(s)
```



# Contact US



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

