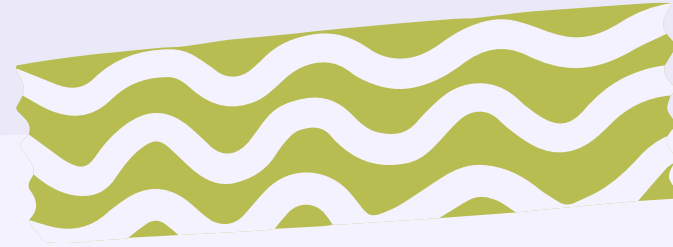
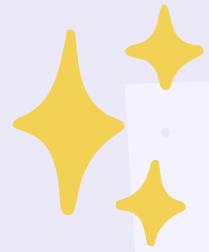




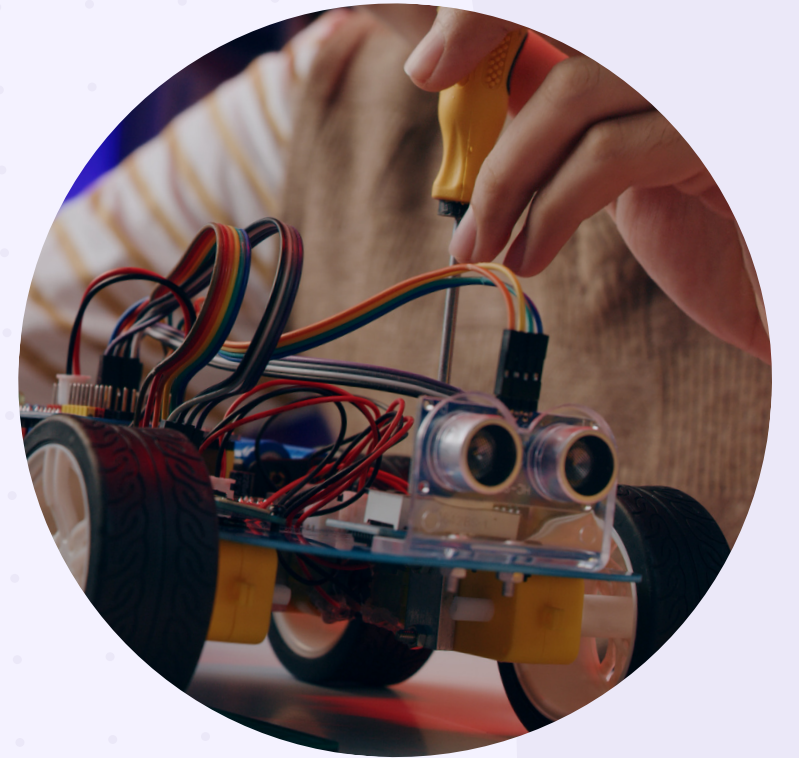
# PYTHON FOR BEGINNERS!

Introduction



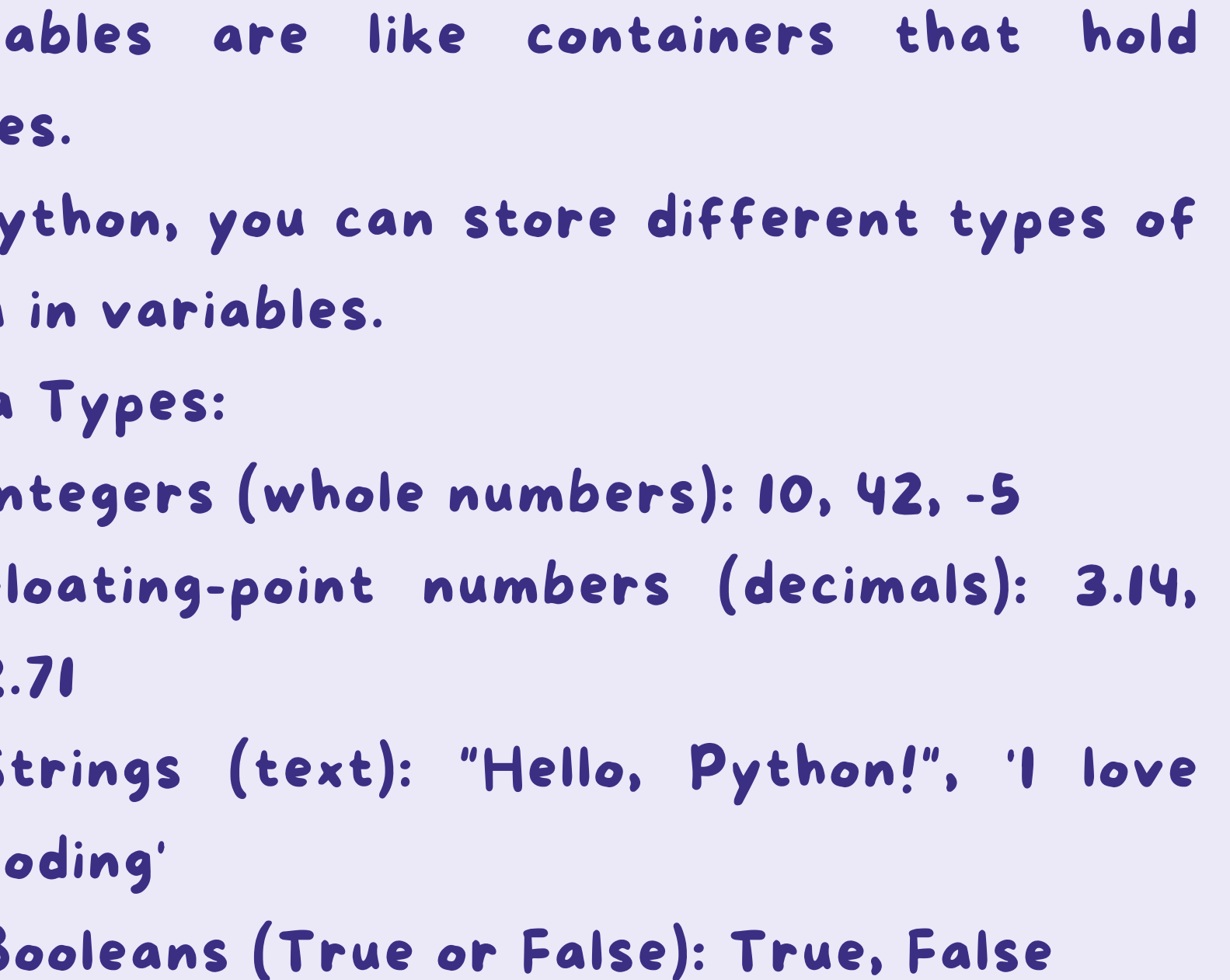
# INTRODUCTION TO PYTHON

- Python is a fun and powerful programming language.
- It can be used to create games, build websites, and even control robots!
- Today, we'll learn about variables, data types, and basic arithmetic operations.





# VARIABLES AND DATA TYPES

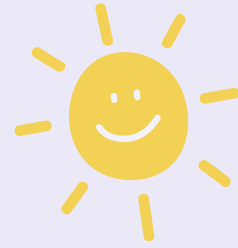
- 
- Variables are like containers that hold values.
  - In Python, you can store different types of data in variables.
  - Data Types:
    - Integers (whole numbers): 10, 42, -5
    - Floating-point numbers (decimals): 3.14, 2.71
    - Strings (text): "Hello, Python!", 'I love coding'
    - Booleans (True or False): True, False

# EXAMPLE



```
age = 8  
pi = 3.14  
message = "Hello, Python!"  
is_coding_fun = True
```





- Python can perform basic math operations.
- Addition:  $3 + 5$
- Subtraction:  $10 - 3$
- Multiplication:  $4 * 6$
- Division:  $15 / 3$



# BASIC ARITHMETIC OPERATIONS

# EXAMPLE



`num1 = 10`


`num2 = 3`



`result_add = num1 + num2`

`result_sub = num1 - num2`

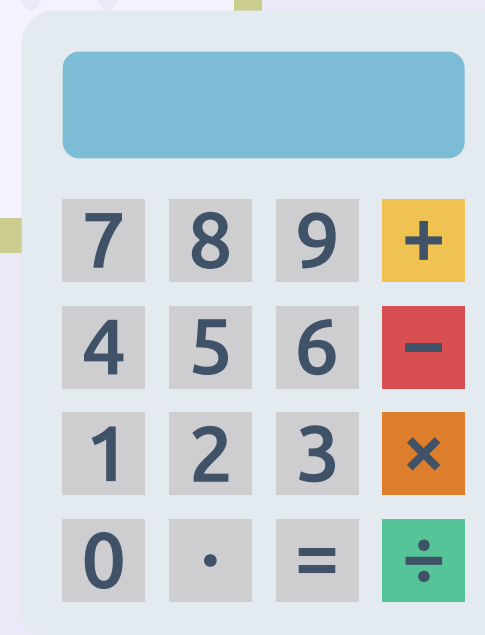

`result_mul = num1 * num2`

`result_div = num1 / num2`

- 
- Let's build a fun calculator using Python!
  - Our calculator will perform basic operations like addition, subtraction, multiplication, and division.



## BUILDING A SIMPLE CALCULATOR



# PROJECT

```
def add(a, b):  
    return a + b
```

```
def subtract(a, b):  
    return a - b
```

```
def multiply(a, b):  
    return a * b
```

```
def divide(a, b):  
    return a / b
```

```
# Get user input  
num1 = int(input("Enter the first number: "))  
num2 = int(input("Enter the second number: "))
```

```
# Perform operations  
print("Addition:", add(num1, num2))  
print("Subtraction:", subtract(num1, num2))  
print("Multiplication:", multiply(num1, num2))  
print("Division:", divide(num1, num2))
```



# HOMework



## Tynker Python I

- Lesson 8 (Projects on Comments)
- Lesson 11 (Naming Conventions)
- 14: Quiz

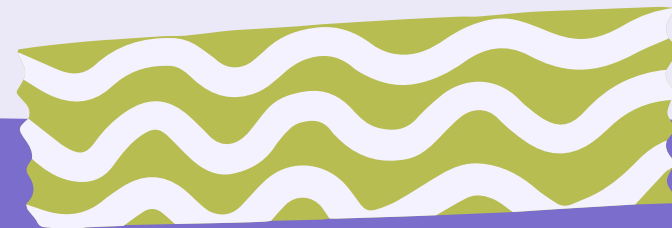




# CONCLUSION



- Congratulations! You've completed Week 1 of Python Basics.
  - Remember, coding is fun and creative. Don't be scared to explore and try new things.
  - Keep practising with the fun projects and homework to become an awesome Python coder!
- 
- 



SEE YOU NEXT WEEK!

