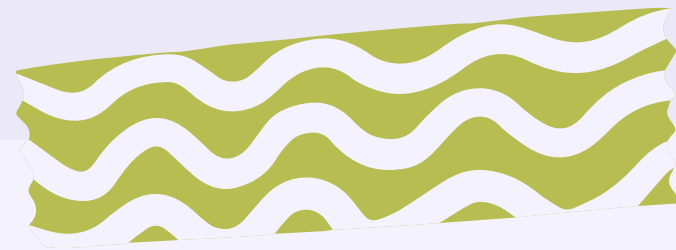
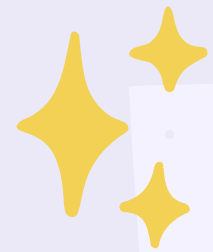




PYTHON FOR BEGINNERS!

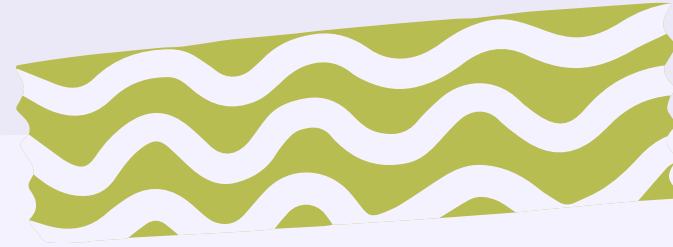
Introduction





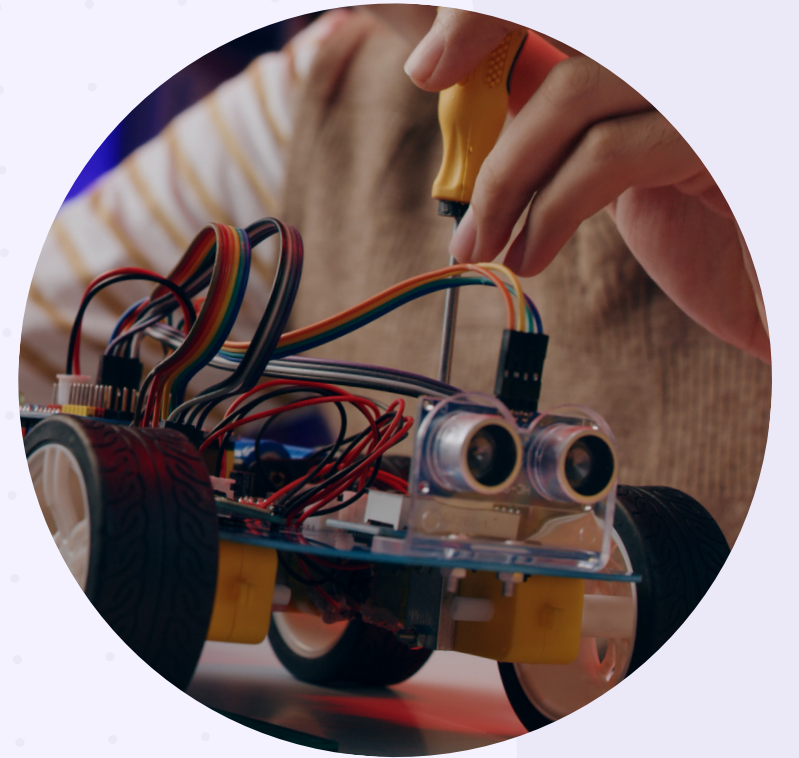
ICE BREAKER

What would you like to create
or do with coding in the future?



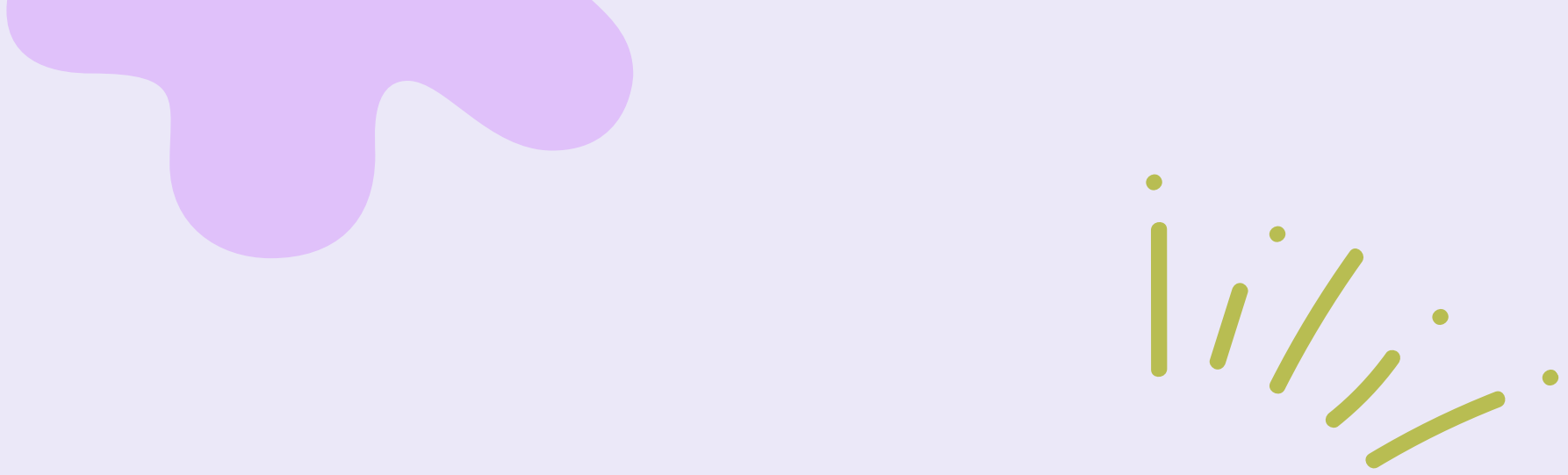
INTRODUCTION TO PYTHON

- 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



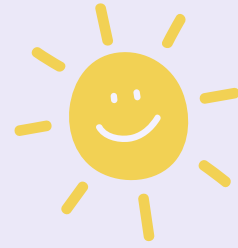
```
age = 8
```

```
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`

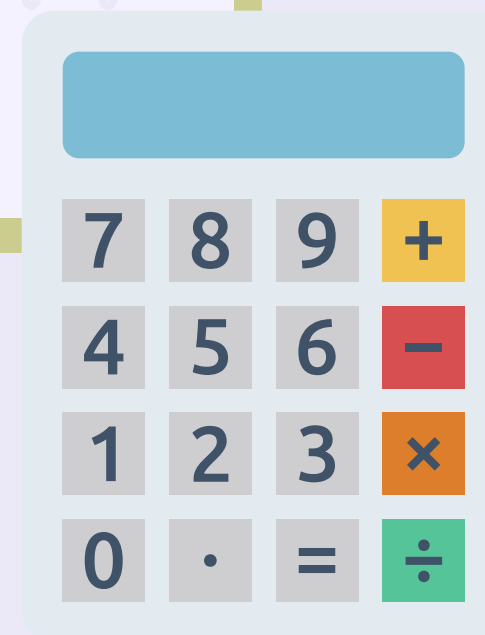

`result_mul = num1 * num2`

`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

- Print 5 lines of code and try out addition, subtraction, multiplication and division using Python.



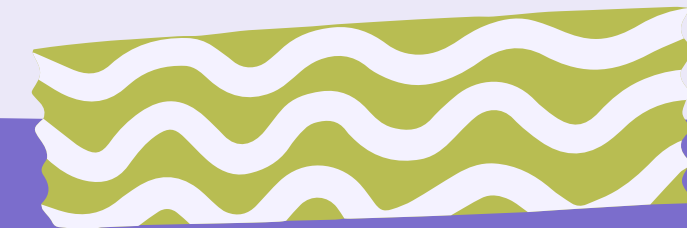
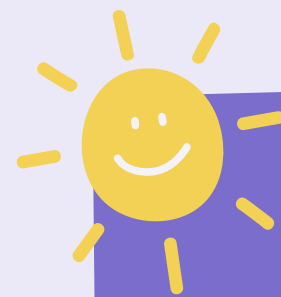


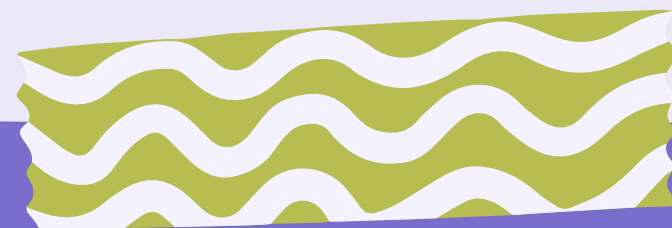
CONCLUSION

- 
- 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!
- 
- 



ANY QUESTIONS?





SEE YOU NEXT WEEK!

