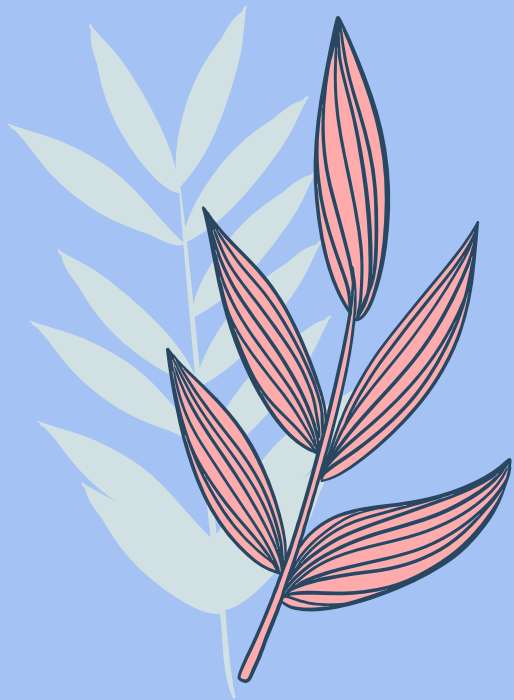


The background of the slide is a solid light blue color, decorated with a pattern of stylized tropical leaves. The leaves are drawn with black outlines and are filled with various colors: shades of pink, purple, green, and dark blue. Some leaves have distinct patterns like spots or veins. The leaves are scattered across the frame, with some appearing as simple outlines and others as solid-colored shapes.

# Python

---

Review Functions & DEIB



**01**

**Review**



# What are the rubber duckies for?

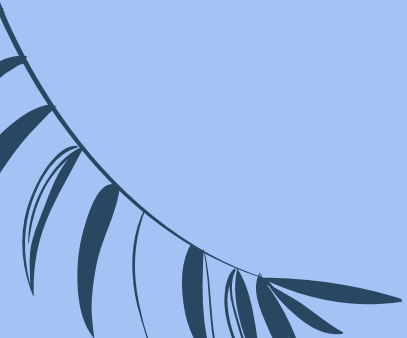
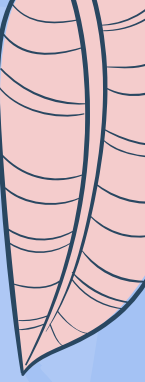
DEBUGGING

# What is debugging?

Looking through code to find the problem, and fixing it.

# How did debugging get its name?

Computers used to get ACTUAL bugs in it! You can thank Grace Hopper for the name.



# What's a variable and how do I write it?

A variable is a container (like a labeled box) for our data.

```
holiday = "New Year's"
```



# What is a data type (hint: it's in the name)?

A type of data! It describes what our data is.

# What kinds of data types have we used?





**String, number, boolean**



0	1	2	3	4	5	6
						

The array is fruits. What is `fruits[3]`?

GRAPES

0	1	2	3	4	5	6
						

The array is fruits. How do I get the blueberries?

```
fruits[4]
```



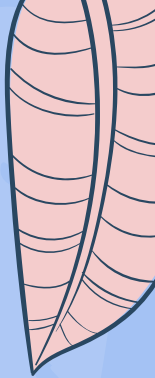
**What is an example of personal info you shouldn't put online?**

**Full name, address, phone number, school and school schedule, etc.**



# Why did we create usernames?

**To keep our identities safe!**



Think of the expression  **$5 + 10 \times 2$** . A computer would think this is **30**, but we know it's **25**. Why are the answers different?

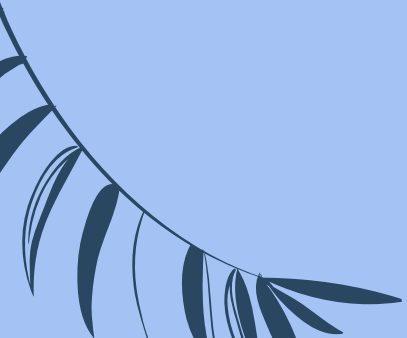
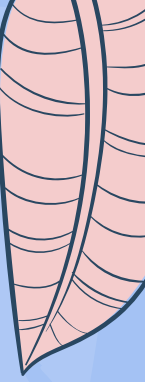


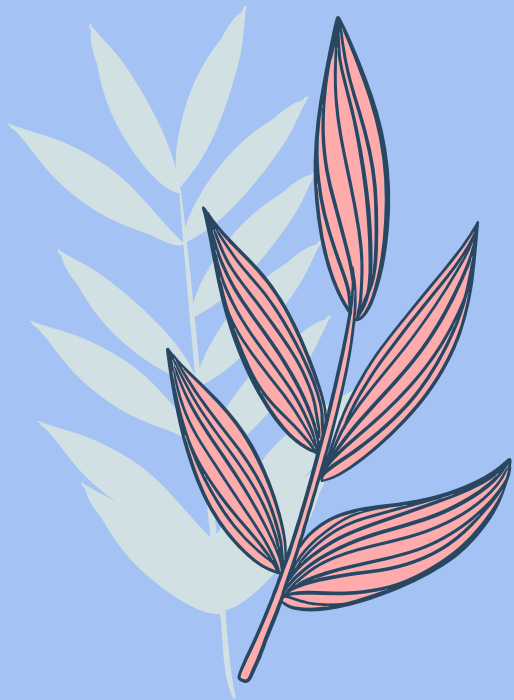
Computers read from left to right, they don't follow an order of operations unless we include parenthesis.

# What's a function?

A chunk of code that can be called countless times, and helps with organization.

**What are you most looking forward to this month?**





02

Calculator Function





# Remember math from last session?

**(Let's let the code do the math FOR us!)**

What is a computer that  
helps you do math?

**A calculator!!!**

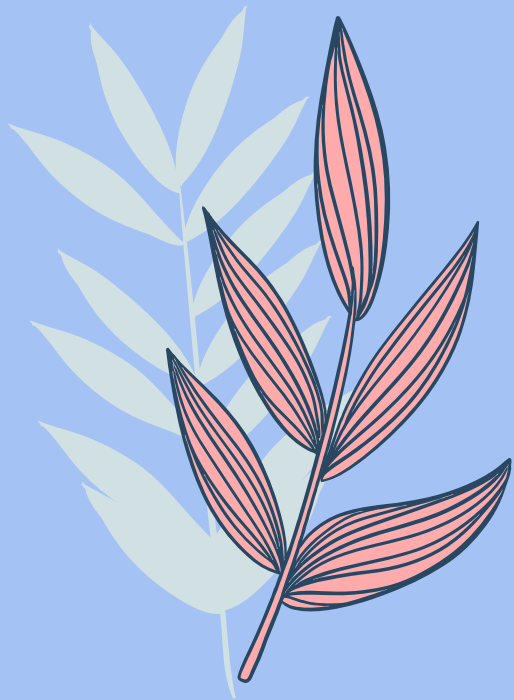
# Write a function that ADDS.

Our function will take **two numbers**, return the **sum**, and we'll later **log** this value to the console.

```
def add(num1, num2):  
    return num1 + num2  
  
sum = add(10, 5)  
print(f`{sum}`)
```

How can you update this to accept more than two numbers?

**We're going to work through our packets.**



**03**

**DEIB**



# What does DEIB stand for?

Diversity, **E**quity, Inclusion, and **B**elonging

# What does Diversity mean?

**di-ver-si-ty**

*noun*

The practice or quality of including or involving people from a range of different social and ethnic backgrounds, and of different genders, orientations, etc.



**Why do you think it's important to have diversity in technology?**

# What does Equity mean?

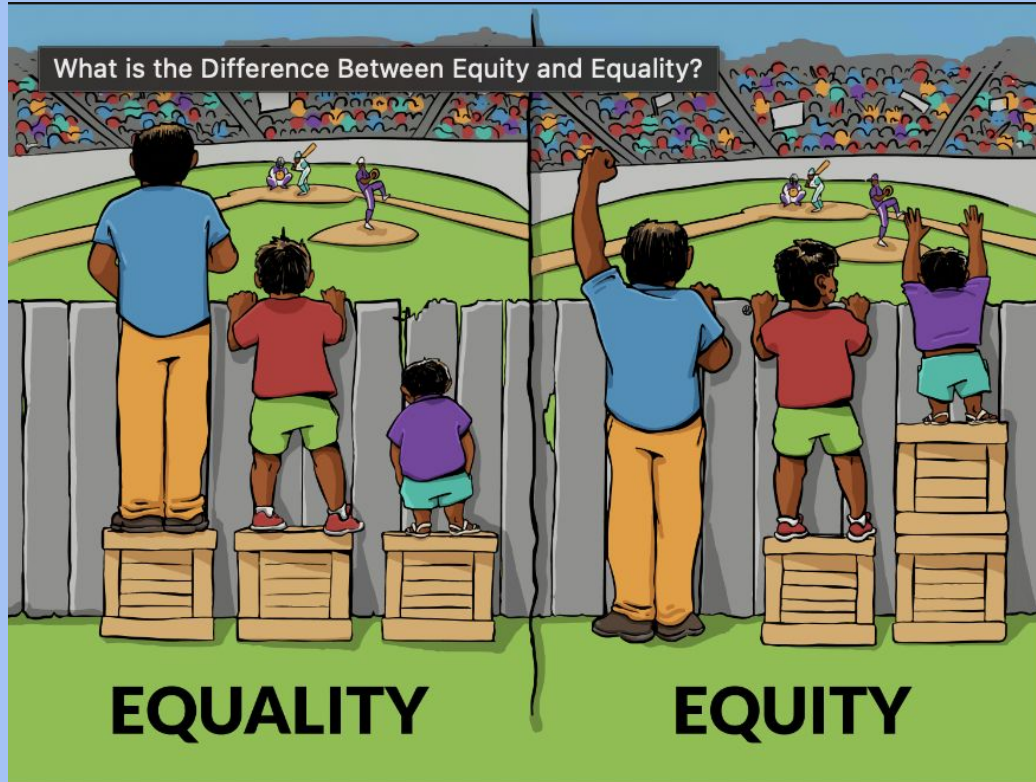
**eq-ui-ty**

*noun*

The quality of being fair and impartial.



# What's the difference - equity vs equality.



The background is a solid light blue color. It features faint, stylized illustrations of various plants. In the top right corner, there is a pink leaf with black outlines and horizontal lines. In the bottom left corner, there are dark blue, feathery plant fronds. In the center, there is a large, faint, light blue monstera leaf. The text is centered in the upper half of the image.

**How could a boss at a job make sure there's equity when they hire someone new?**

# What does Inclusion mean?

**in-clu-sion**

*noun*

[...] providing equal access to opportunities and resources for people who might otherwise be excluded or marginalized [...]

# What does Belonging mean?

**belonging**

*noun*

An affinity for a place or situation.

In other words... feeling like you're a part of something.

# How can you help someone feel Belonging?

**belonging**

*noun*

An affinity for a place or situation.

In other words... feeling like you're a part of something.



# 04 CHOOSE YOUR OWN SHERO

