Python

Review Functions & DEIB
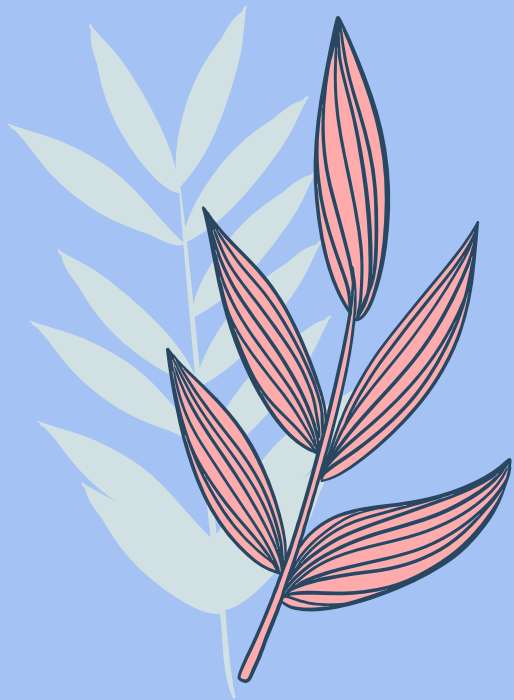
01

Review

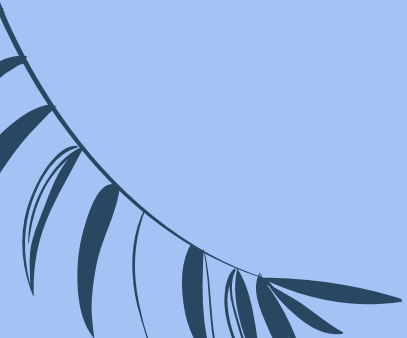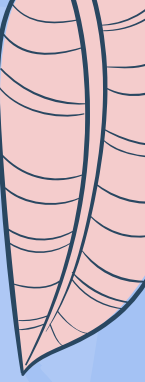# What are the rubber duckies for?

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 <u>type</u> 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 <u>fruits</u>. What is fruits[3]?

GRAPES

The array is <u>fruits</u>. How do I get the blueberries?

fruits[4]

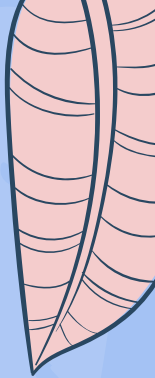# What is an example of personal info you shouldn't put online?

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 X 2**. A computer would think this is **30**, but we know it's **25**. Why are the answers different?
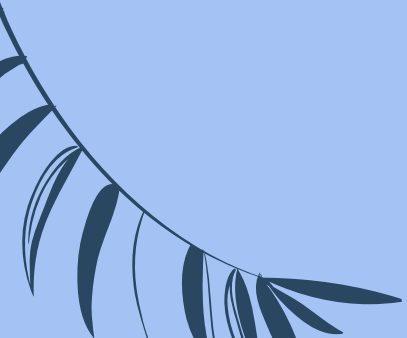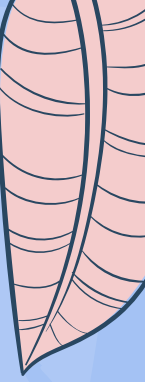
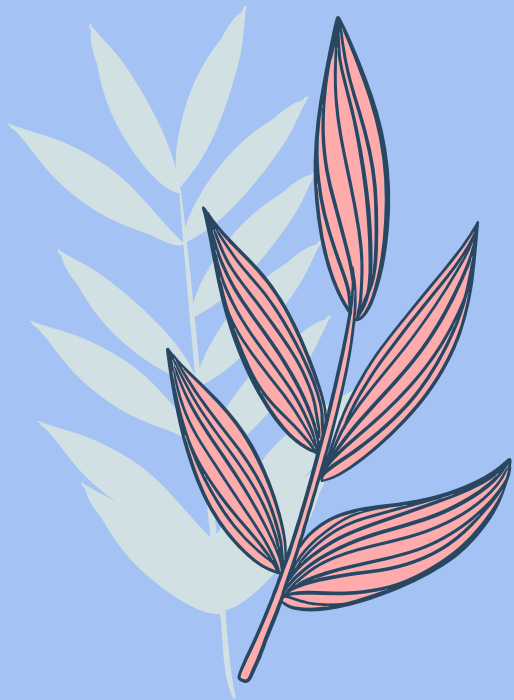Computers read from left to right, they don't follow an order of operations unless we include parenthesis.

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!)

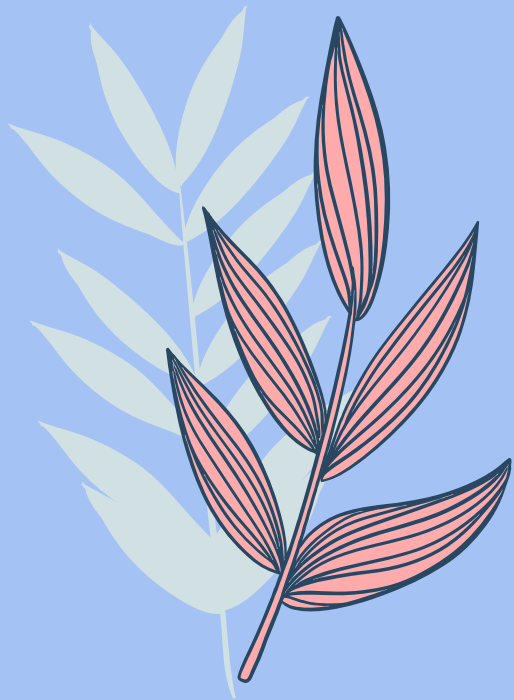What is a computer that helps you do math?

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, **I**nclusion, 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.

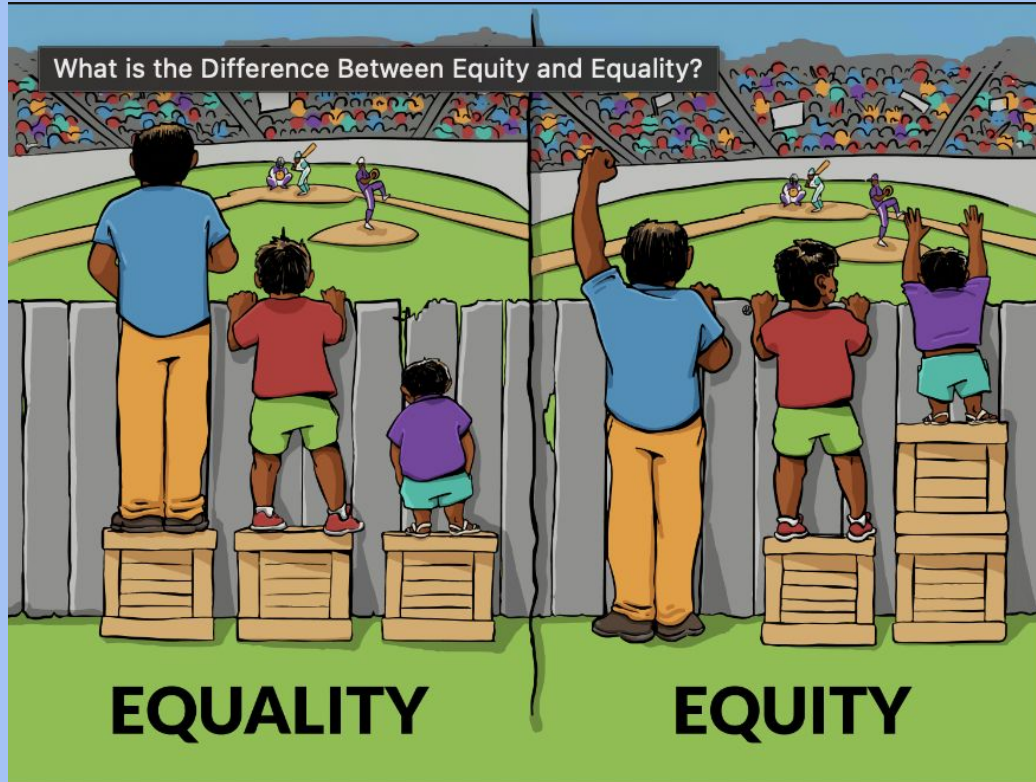Why do you think it's important to have diversity in technology?

What does Equity mean?

eq-ui-ty

noun

The quality of being fair and impartial.

What's the difference - equity vs equality.

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