### WELCOME TO TECHNOVATI NO NATING N Week 2 - October 1



### Agenda

- Club contract & Icebreaker
- Lesson 2: Colors and Variables
  - Colors
  - $\circ$  Variables
  - User Inputs
- Coding challenges
- Standup

#### Club Contract

## We've written down all of your responses from the club contract last week and now it's time to sign it!

#### Ice Breaker! - Name Train

### Tracy Command: color

color ("color\_name")
 Changes the color of
 the trail Tracy leaves



### Some Color Names You Can Use

"black"	"orange"	"gold"	"white"
"blue"	"pink"	"gray"	"violet"
"brown"	"purple"	"green"	"indigo"
"cyan"	"red"	"tangerine"	"mauve"

Default color: "black"

More color names at:

https://www.webucator.com/article/python-color-constants-module/



### Tracy Command: begin\_fill(), end\_fill()

#### begin\_fill()

Start keeping track of closed shapes that are drawn

### end\_fill()

Stop keeping track of closed shapes and fill them



begin\_fill()
circle(50)
end\_fill()



#### Tracy command: setposition

# setposition(x, y) Moves Tracy to the given coordinate





#### Ready, Set, CODE!

Command	What does it do?
forward(distance)	Moves Tracy forward a specified distance
circle(radius)	Tells Tracy to draw a circle with a specified radius
backward(distance)	Moves Tracy backward a specified distance
penup()	Stops Tracy from leaving a trail
pendown ()	Has Tracy start drawing a trail
left(degrees)	Turn Tracy the specified degrees to the left
<pre>right(degrees)</pre>	Turn Tracy the specified degrees to the right

#### Ready, Set, CODE!

Command	What does it do?
<pre>color("color name")</pre>	Changes Tracy's trail color
pensize(number)	Changes Tracy's trail thickness
<pre>begin_fill()</pre>	Starts tracking closed shapes
end_fill()	Fills & stops tracking closed shapes
<pre>setposition(x, y)</pre>	Moves Tracy to the input coordinates
speed(number)	Sets how fast Tracy executes commands

# Standup

- What is a challenge you faced today?
- What is something you were successful with?
- What do you want to improve on for next week?
- What are you most excited to learn?

#### Temperature Check

#### https://forms.gle/2RFvixVSe7C5vzzz5