



# ODT

Week 4

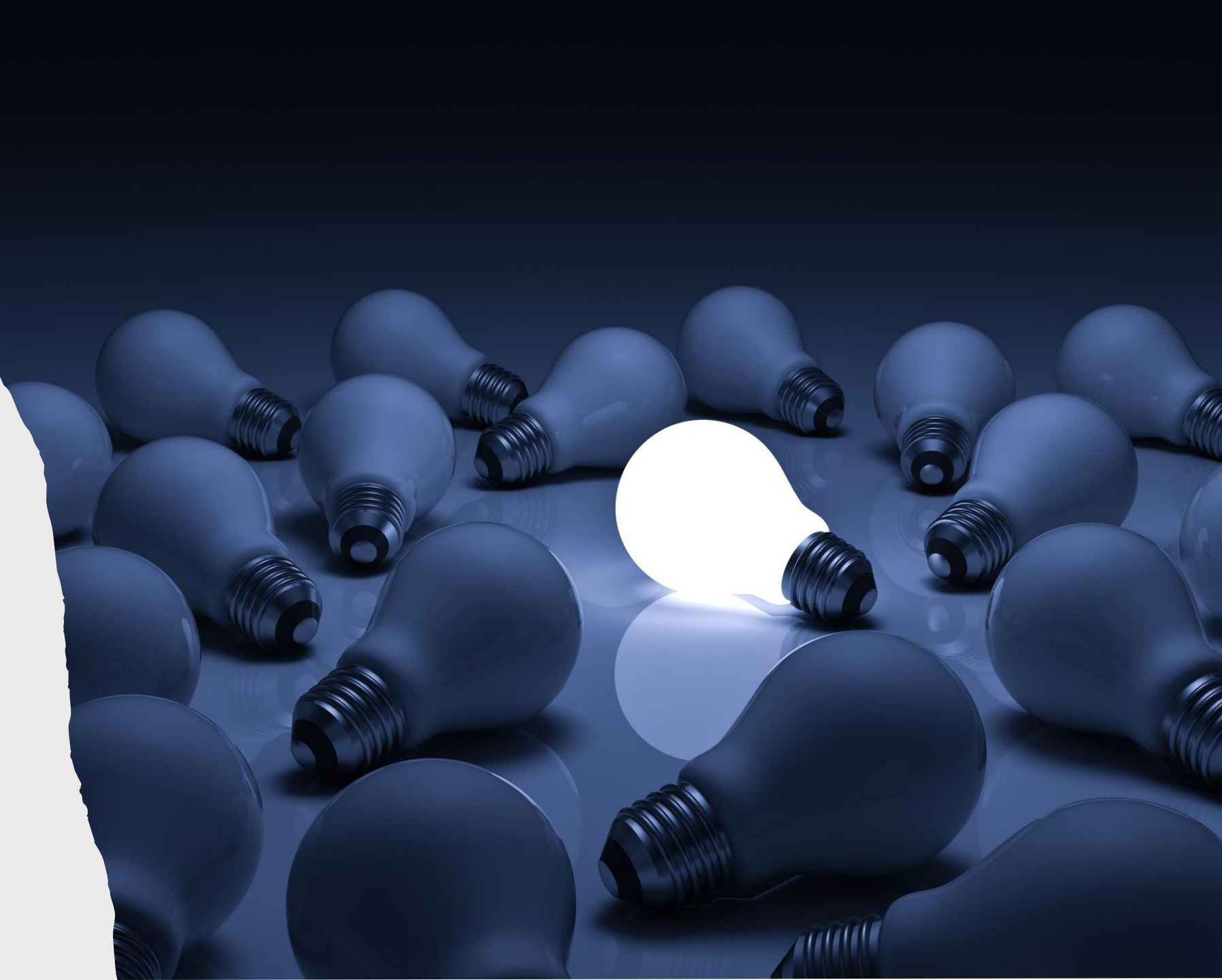
A close-up photograph of a person's finger hovering just above a dark, reflective surface. The surface is illuminated with a vibrant green light, creating a clear reflection of the finger. The background is dark and out of focus.

# Touch Pin of ESP32

If & Else

# Activity : Multiple LEDs & TouchPins


If & Else



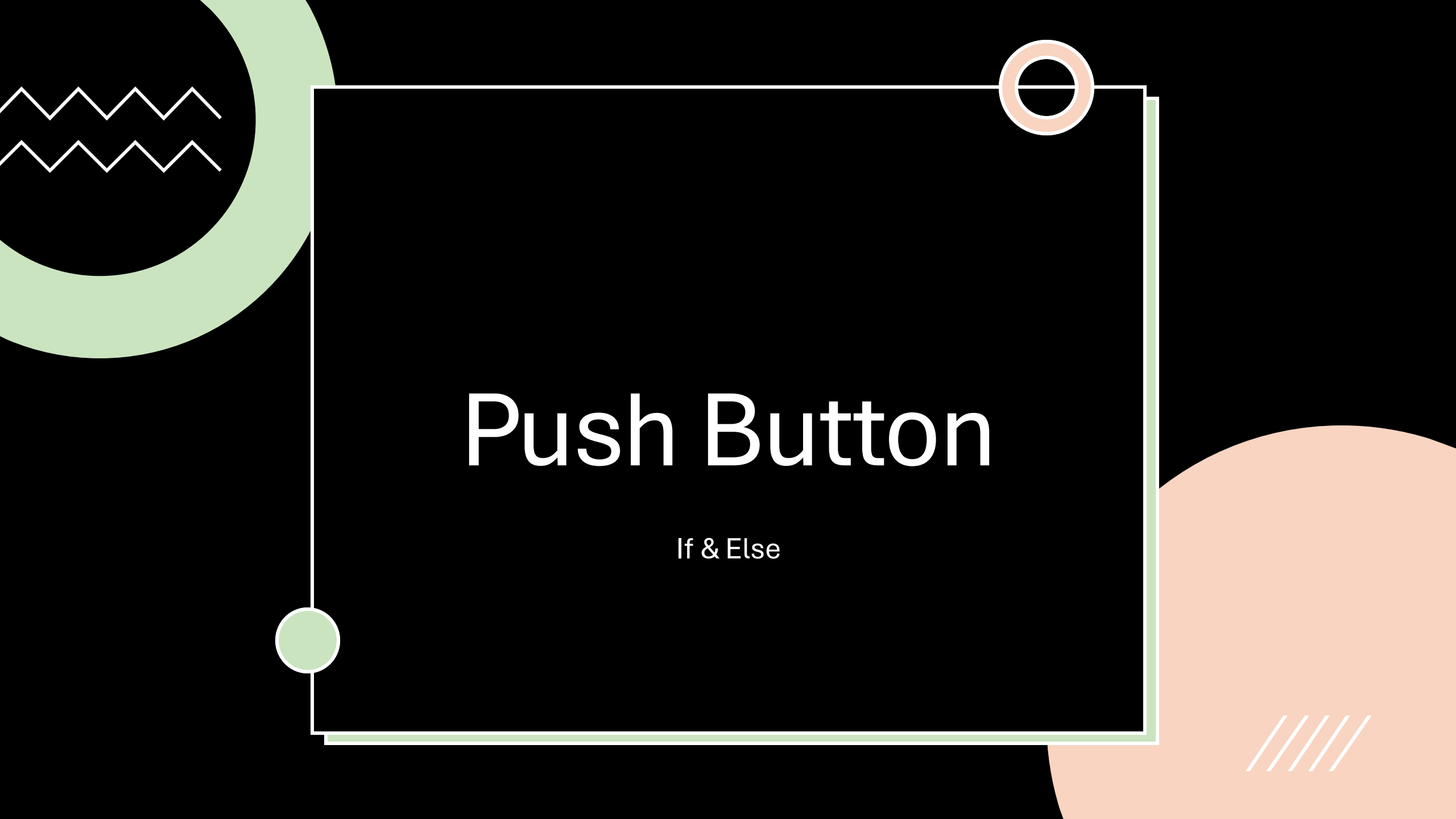


# Flow of a Code





# Debugging a Code



# Push Button

If & Else

Right & Left Indicator of a car

2 Push Button + 4 LEDs

When No Button Pressed = All 4 LEDs ON

# Activity

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Concept Description

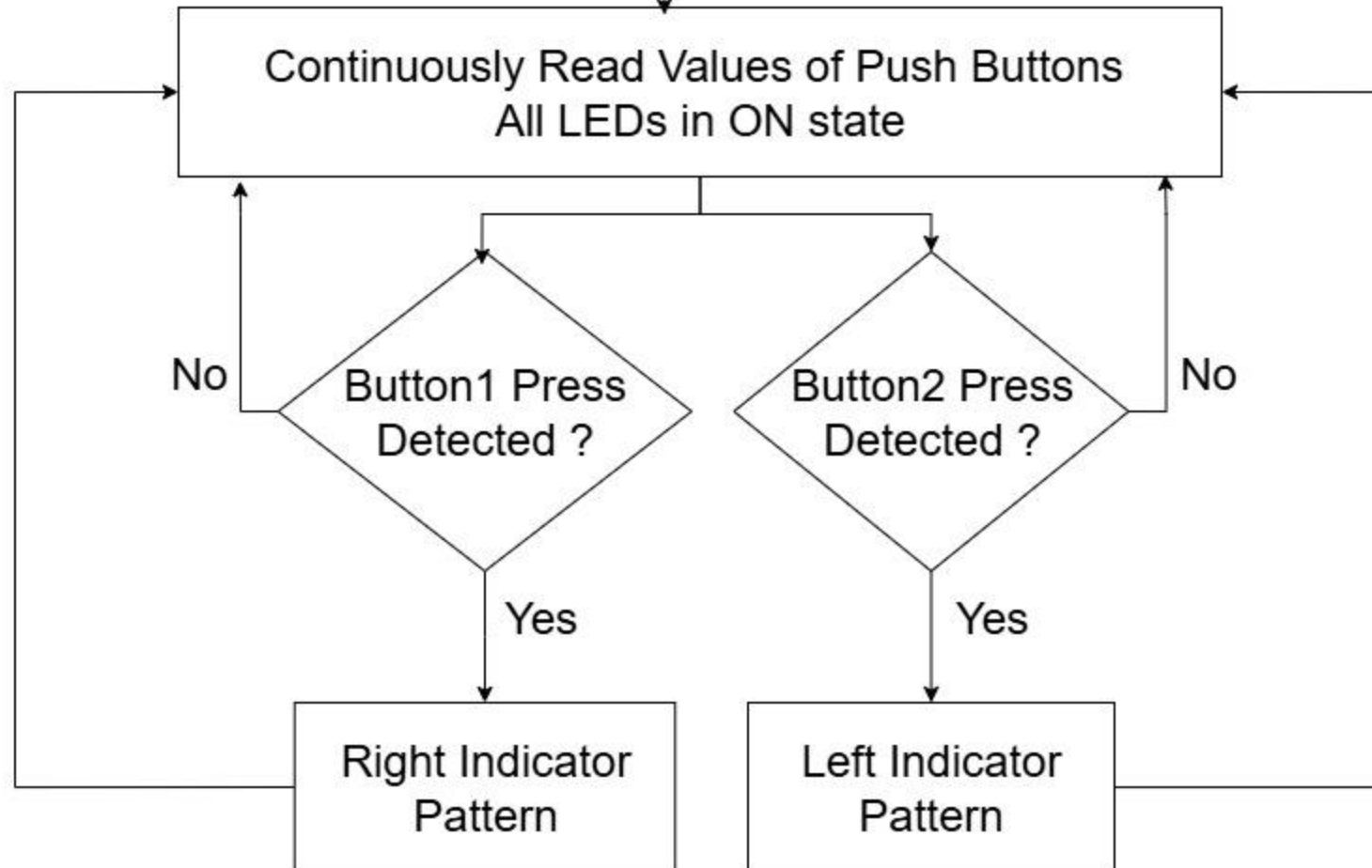
Circuit Diagram

Program Flow

Code

Import Necessary Modules & Class

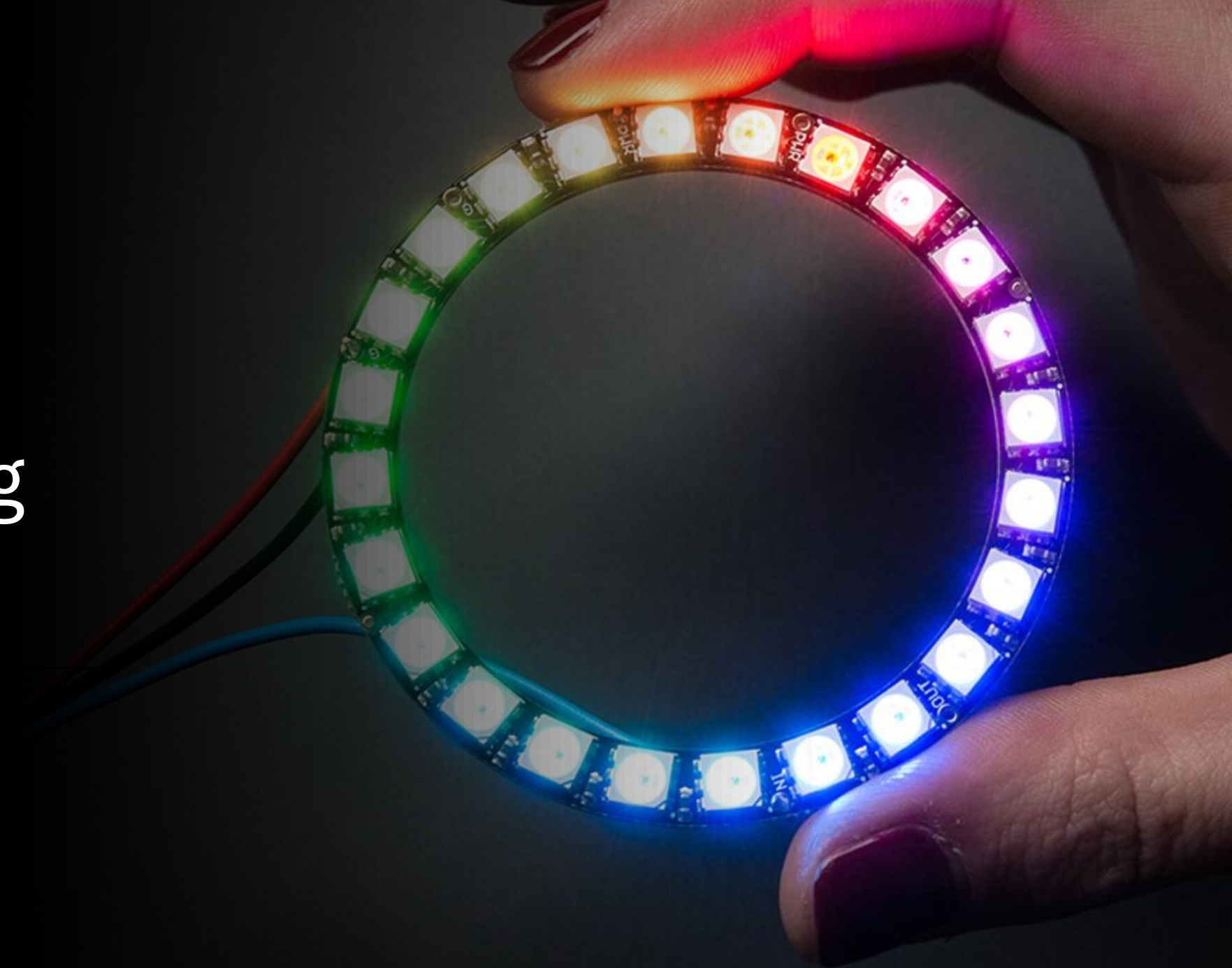
Initialization :Using variables create Objects for all LEDs & Push Button

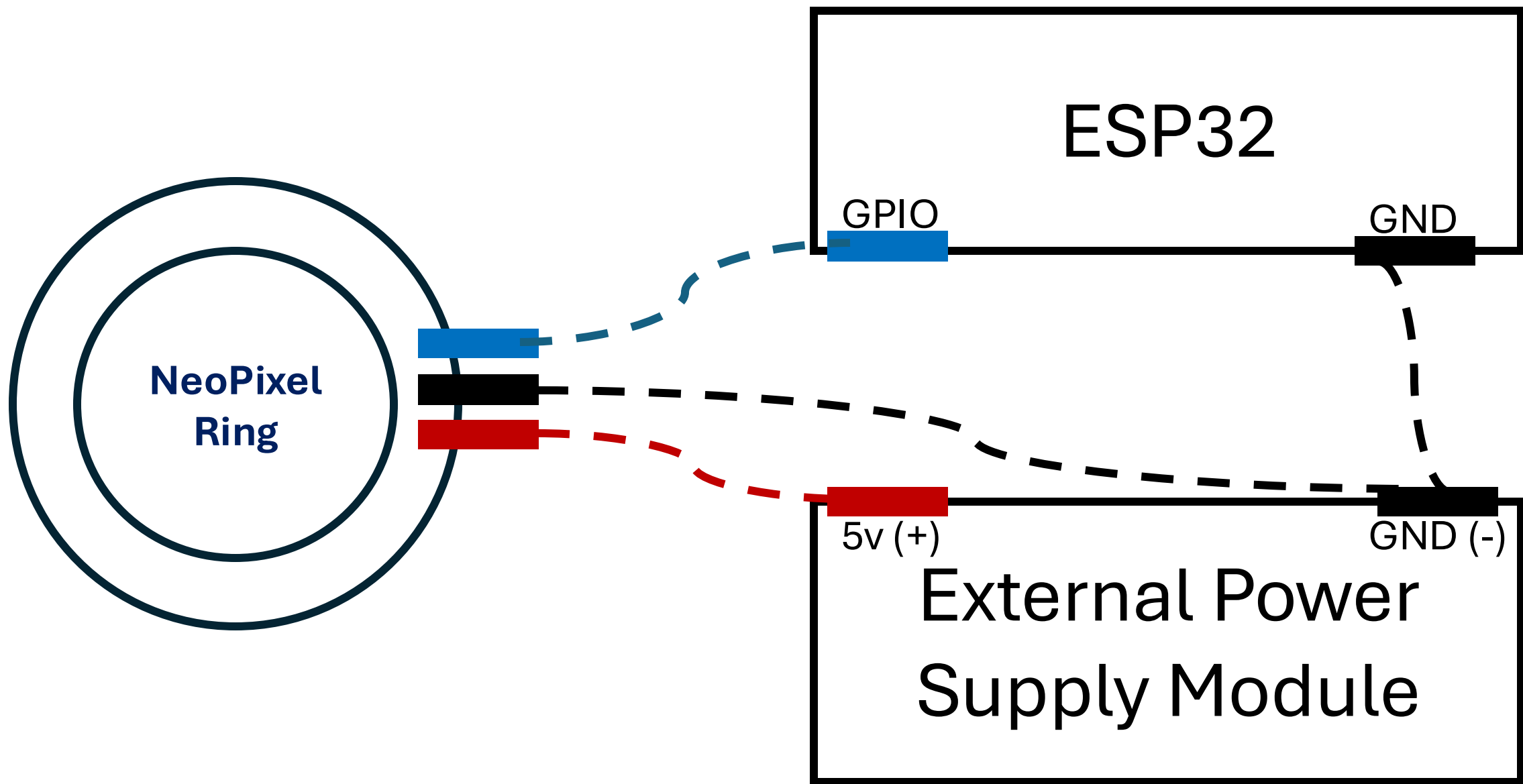


# 5v & 3v Supply to Breadboard



# NeoPixel Ring Intro





# Learning Outcomes – Week 4

- ✓ Capacitive Touch of ESP32
- ✓ If & If else Loop
- ✓ Push Button | Push Button to ESP32
- ✓ Lighting multiple LEDs in different patterns | Multiple Push Buttons
- ✓ Approaching a Project / Problem Statement
- ✓ Connecting External Supply to a Breadboard
- ✓ Intro to NeoPixel