Make Your Own Wearables Workshop

FIREWALKER FILL-IN-THE-BLANK

N_LEDS
Number of LEDs (Light emitting diodes) on a strip (Value is an integer = 8)

SENSOR_PIN
The pin on the Adafruit Flora that the pressure sensor is connected to (Value is a pin name = A9)

LED_PIN
The pin on the Adafruit Flora that the lights are connected to (Value is an integer = 6)

STEP_DOWN_THESHOLD
The highest value of the sensor when you’re definitely stepping down on it (Value is an integer set by Pressure Sensor Test)

STEP_UP_THESHOLD
The lowest value of the sensor when you’re definitely not stepping down on it (Value is an integer set by Pressure Sensor Test)

stepping
This “variable” keeps track of whether or not you’re stepping down on the sensor (This value is True or False)

True
This “Boolean” datatype represents when a condition is met

False
This “Boolean” datatype represents when a condition is NOT met

firewalker.begin()
This is a set-up function for the colors on the LED strip based on the pressure sensor value

strip.begin()
This set-up function is for the LED strip

firewalker.updateSensorValue()
Reads the sensor value from the analog pin and updates it

firewalker.getSensorValue()
This function gets the current pressure sensor value (Returns an integer)

firewalker.updateStep
Updates the status of the LED colors

strip.show()
Shows the colors on the LED strip

firewalker.getLEDColor
Gets the LED color on the strip for setting the correct colors
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