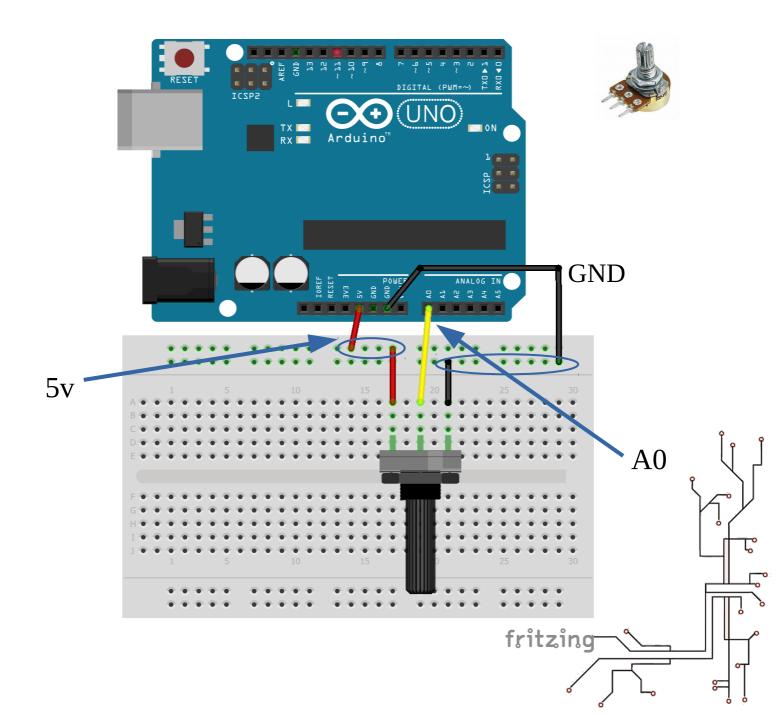


Exercise 3a (Read from A0

Connect this Circuit! Make sure to get a Potentiometer...



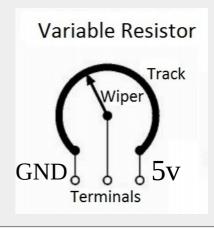


3a)

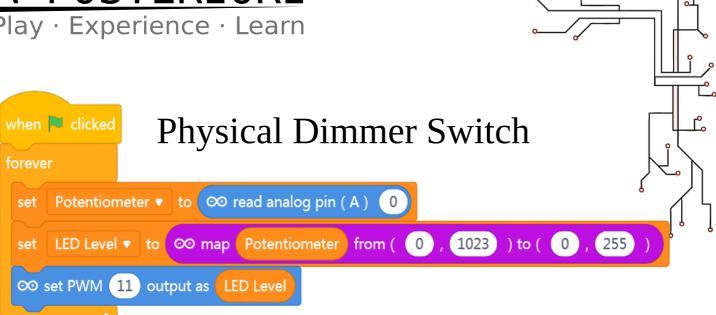
* What is the range of values you can read from A0?

Max:_____ Min: _____

- * Extend the program above:
- 1) checks if Potentiometer wiper is closer to GND or closer to $5V (A0 > ____?)$
- 2) if closer to GND Panda says "GND" else Panda says "5V"

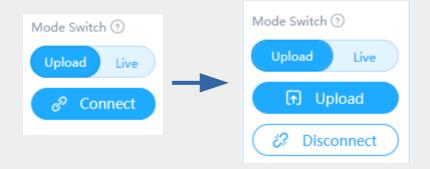


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3b)

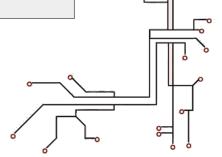
* Try to Upload the program to the Arduino for a smoother Dimmer Effect.



* Change the program such that the Potentiometer controls how fast the LED blinks, instead of brightness.

For instance:

A0 LED 1 blink a second 0512 25 blinks a second 50 times a second 1023



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