SENSOR INTERFACING

COMMON FUNCTIONS:

- pinMode()

- digitalRead()

- digitalWrite()

- analogRead()

- analogWrite()

- map()

- pulseIn()

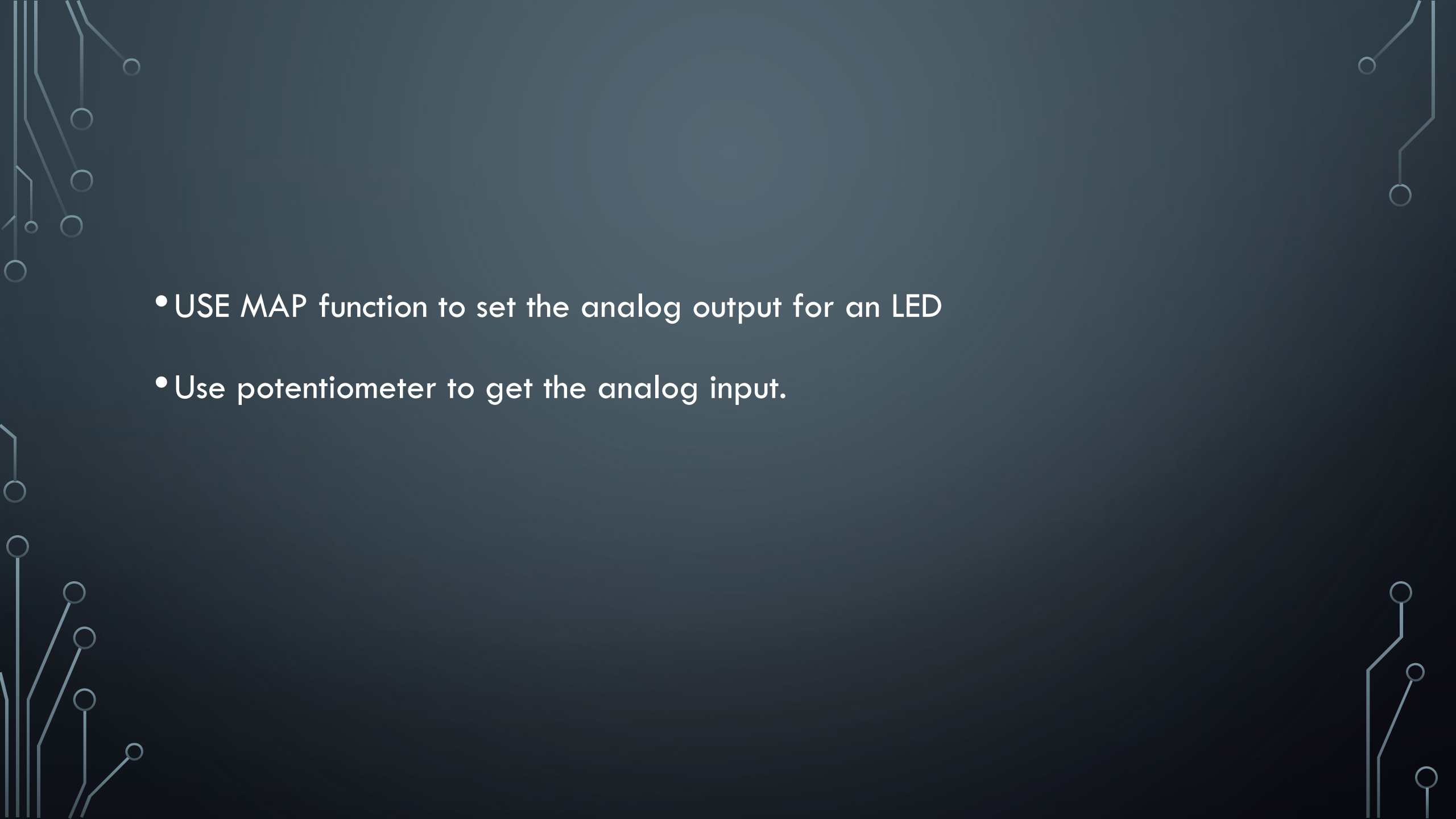- https://www.arduino.cc/reference/en/#functions

TASK 1:

Change the state of a LED by using a push button switch.

- USE MAP function to set the analog output for an LED

- Use potentiometer to get the analog input.

TASK 2:

Use an ultrasonic sensor to measure the distance of an obstacle.