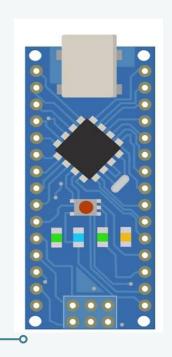
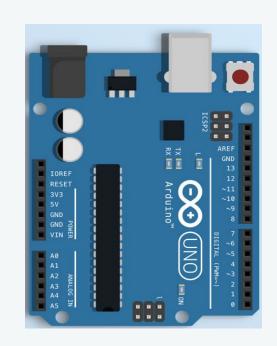
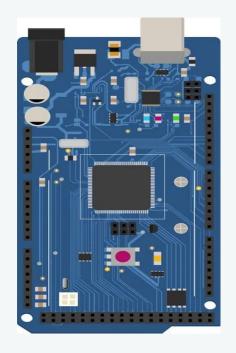


Class 01Introduction to Arduino & Programming

Arduino-Introduction











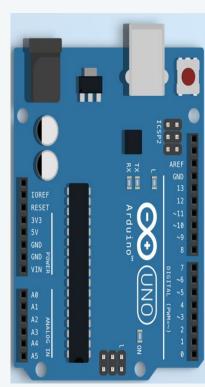




Arduino-Introduction









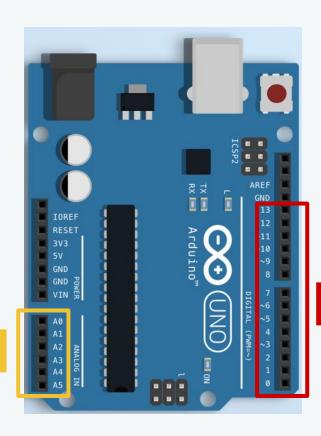


INPUT

PROCESS

OUTPUT

How does Arduino take INPUT?



Digital INPUT Pin

Analog INPUT Pin

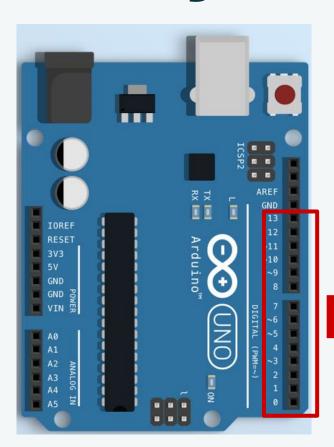
How does Arduino PROCESS a data?

★ Arduino has its own language similar to C++



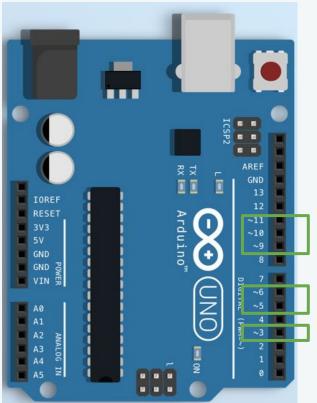


How does Arduino give an OUTPUT?



Digital OUTPUT Pin

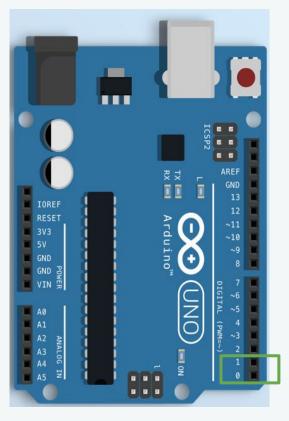
Others Pin of Arduino - PWM Pin



★ Digital Output Pin but acts like an Analog Output pin

PWM Pin
Pulse Width Modulation

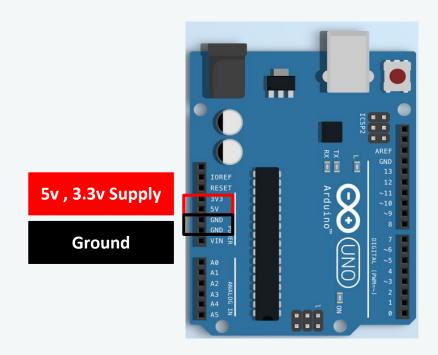
Others Pin of Arduino - Tx/Rx Pin



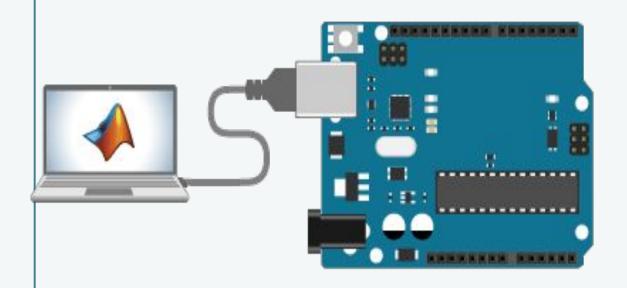
★ Transmit or Receive data

Transmitter Receiver Pin

Others Pin of Arduino - Power Pin



How to POWER UP an Arduino?





By Battery

By Laptop

Recap

- * Arduino is a microcontroller unit
- ★ Arduino has its own language to program
- ★ It has several types of pins like digital i/o, analog pin, pwm pin, power pin, tx/rx pin.
- ★ Every pins has its own purpose

QnA

