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Lab 1, Circuit 1

Blinking an LED connected to pin D7

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May 13, 2017

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void setup()

{

// Set DDRD bit 7

// This causes Arduino pin D7 to be an output

// We can use it to turn an LED on and off

DDRD = DDRD | 0b10000000;

}

void loop()

{

//Set PORTD bit 7, causing pin D7 to have a value of HIGH

PORTD = PORTD | 0b10000000;

//wait for 1000 ms

\_delay\_ms(1000);

//Clear PORTD bit 7, causing pin D7 to have a value of LOW

PORTD = PORTD & 0b01111111;

//wait for 1000 ms

\_delay\_ms(1000);

}