

Start

Setup
DDRB |= (1 << DDB5); (Set PIN B5 as
output)
DDRD &= ~(1 << DDD2); (Set PIN D2
as input)
PORTD |= (1 << PORTD2); (Enable
pull-up on PIN D2)

Loop

Is PIND2
Low (Button
Pressed)?

no

yes

Repeat Loop

delay(50)

Is PIND2
still Low?

no

yes

Repeat Loop

PORTB |= (1 <<
PORTB5); (Turn on
LED)

delay(300)

PORTB &= ~(1 <<
PORTB5); (Turn off
LED)

Is PIND2
High
(Button
Released)?

no

yes

delay(50)

Repeat Loop

Repeat Check for
Release

Loop Ends