

Part 3: Circuit Bending

1) Place the connection to pin 2 on the other side of the resistor, i.e. on the same side of the resistor as the +5V wire

Ans1. When we press & release the button the LED will glow as we connected them on the same side of the resistor therefore it'll be a high voltage passing through it with no matter to the state of the key.

2) Place the connection to pin 2 on the other side of the button, i.e. between 0V and the button.

Ans2. LED doesn't glow because after connecting pin to other side of the button LED doesn't have any kind of voltage to glow.

3) Restore the circuit to its original state then switch the ground and 5V connections to your button.

Ans3. When we switch the ground and 5V connections in the circuit the circuit becomes a pull up circuit so, LED will glow when the button is pressed and when the button is released the LED will be off again.
