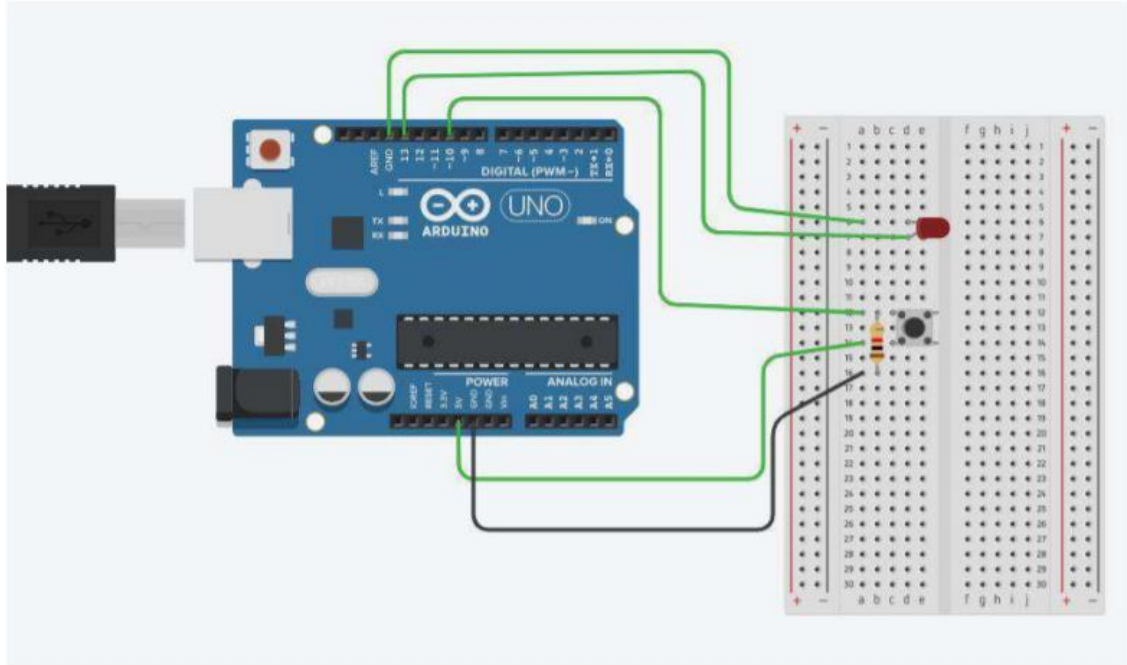# Exp 3 Design a switch controlled LED

Circuit diagram

THEORY

CONCEPTS USED:

1.LED: use to emits the lights.

2.PUST BUTTON: use to control the flow of current.

3.Requirement of ground for LOW voltage.

LEARNING AND OBSERVATION:

1.The push button can control the flow of current.

2.Analog pin is used for input of voltage.

3.Resistor is required for making voltage low.

PRECAUTION:

1.Make sure that resistance of resistor is greater than 10000ohm.

2.Make sure that terminals of LED are connected correctly.

PROBLEMS AND TROUBLE:

1.We find that multimeter is not working properly and we face problem in measuring the resistance of resistor.

2.We find that the USB is damaged.

3.We find that two LED diode is damaged.

LEARNING & OUTCOMES:

1.We learn the use of press button with Arduino.

2.We use the press button to on and off the running of program.

3.We use press button in LED flasher.