Lab 2 : Program 2

Date : 23/09/20
Experiment : LED Push Button
Aim: To make the LED glow when Push button is used.

Hardware :
- Arduino Uno Board
- Led Bulb
- Two 220 Ohm Resistors
- Push Button

Source :
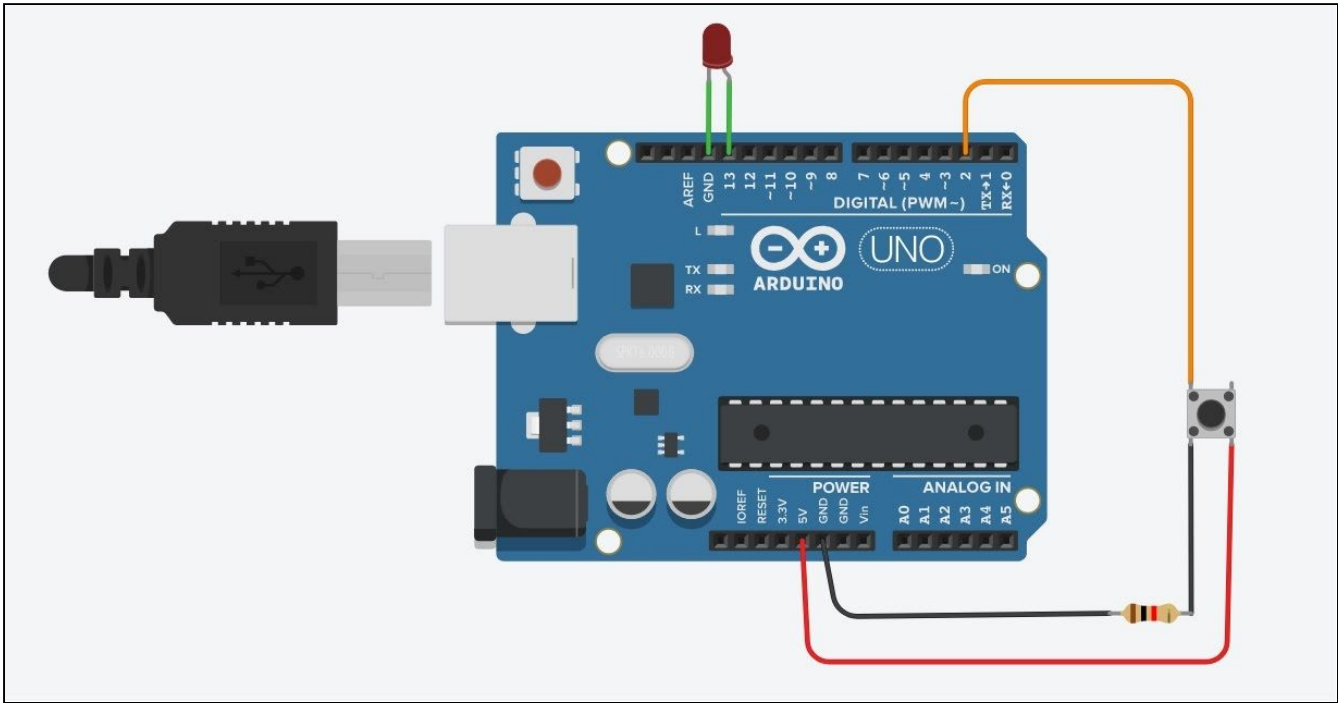
```
int led = 13;
int button = 2;

void setup()
{
  pinMode(led,OUTPUT);
  pinMode(button,INPUT);
}

void loop()
{
  if(digitalRead(button) == HIGH)
  {
    digitalWrite(led,HIGH);
  }
  else
  {
    digitalWrite(led,LOW);
  }
}
```

Observation : LED glows when button is pressed.

Circuit :

Write Up :

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Tanvir
Shaik
23/09/20

Source Code

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int button = 2;

Void setup() {
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    pinMode(button, INPUT);
}

void loop() {
    if(digitalRead(button) == HIGH) {
        digitalWrite(led, HIGH);
    }
    else {
        digitalWrite(led, LOW);
    }
}
```

Circuit Diagram

Observation:

LED glows when button is pressed