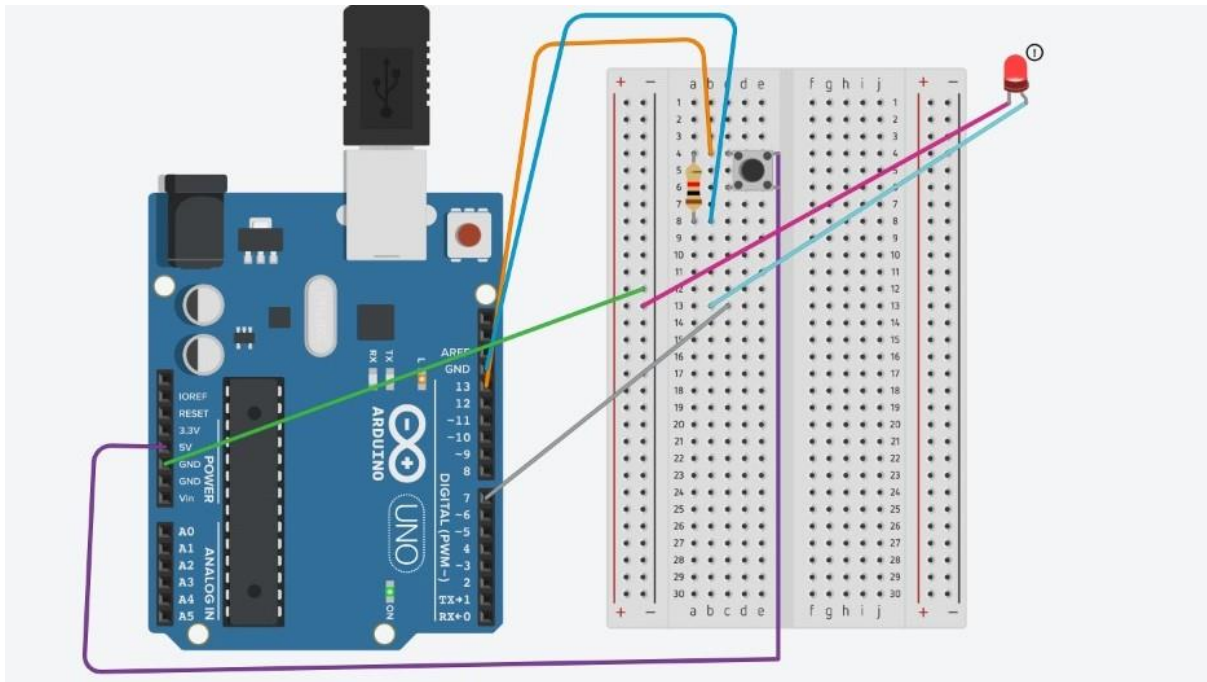


Aim : Blink of LED using Switch

APPARATUS: LED, Breadboard, wires, arduino, resistor, switch;

CIRCUIT DIAGRAM



CODE:

```
void setup() {  
  
  pinMode(13,INPUT);  
  pinMode(7,OUTPUT);  
  
}  
  
void loop() {  
  if(6==HIGH){  
    digitalWrite(13,HIGH);  
  }  
}
```

```
else{  
  
    digitalWrite(13,LOW);  
  
}  
  
}
```

Learning and Observations:

1. A push button switch and LED is connected to arduino.
2. When we press the switch, LED will glow for 1 second.
3. You need to connect pull up or pull down resistor while interfacing switch.

Problem and Troubleshooting:

1. Arduino was not working properly and cables were also not working.
2. Mistake in code uploading.

Result:

The LED will glow when we press the switch.