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TASK #3 - Push button

Pushbuttons or switches connect two points in a circuit when you press them.

I make a circuit using **tinkercad,** pushbutton circuit using both of Arduino uno and pushbutton and resistors.
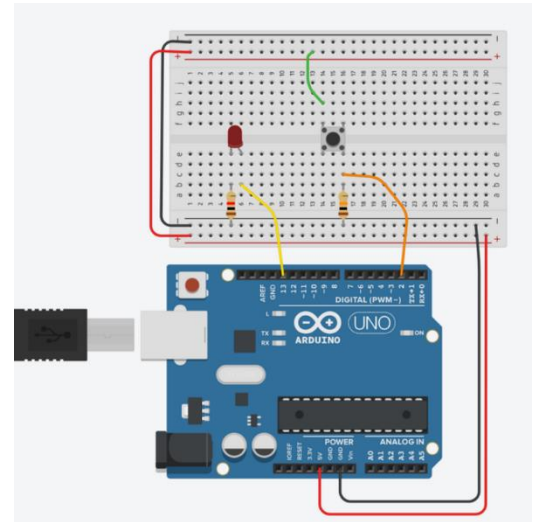
Figure 1 pushbutton CIRCUIT

CODE

```
int buttonState = 0;

void setup()
{
  pinMode(2, INPUT);
  pinMode(13, OUTPUT);
}

void loop()
{
  // read the state of the pushbutton
  buttonState = digitalRead(2);
  // check if pushbutton is pressed. if it is, the
  // button state is HIGH
  if (buttonState == HIGH) {
    digitalWrite(13, HIGH);
  } else {
    digitalWrite(13, LOW);
  }
  delay(10); // Delay a little bit to improve simulation performance
}
```

Figure 2 CODE