Experiment No. : 7

Statement : Blink an LED with two switches. One switch for increasing the blinking rate and other for decreasing the blinking rate..

Date of Exp :

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const int ledPin = 2;

const int switch1Pin = 3;

const int switch2Pin = 4;

int blinkInterval = 1000;

void setup()

{

pinMode(ledPin, OUTPUT);

pinMode(switch1Pin, INPUT\_PULLUP);

pinMode(switch2Pin, INPUT\_PULLUP);

}

void loop()

{

if (digitalRead(switch1Pin) == LOW)

{

blinkInterval = 1000;

blinkLED();

}

if (digitalRead(switch2Pin) == LOW)

{

blinkInterval = 100;

blinkLED();

}

}

void blinkLED()

{

digitalWrite(ledPin, HIGH);

delay(blinkInterval);

digitalWrite(ledPin, LOW);

delay(blinkInterval);

}



