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Experiment No. : 07

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

Date of Exp. : xx/xx/xxxx

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*/
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Code:

```
const int ledPin = 5;
const int switch1Pin =6;
const int switch2Pin =7;

int blinkInterval =1000;

void setup() {
  pinMode(ledPin, OUTPUT);
  pinMode(switch1Pin, INPUT_PULLUP);
  pinMode(switch2Pin, INPUT_PULLUP);
}

void loop() {
  // Check the state of the switches
  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);

}

```



