

# LED blink using Raspberry Pi

**Introduction:** In this project we are going to blink LED using Raspberry Pi

## **Required Components:**

- Raspberry Pi
- Breadboard
- LED
- Resistor
- Jumper wire

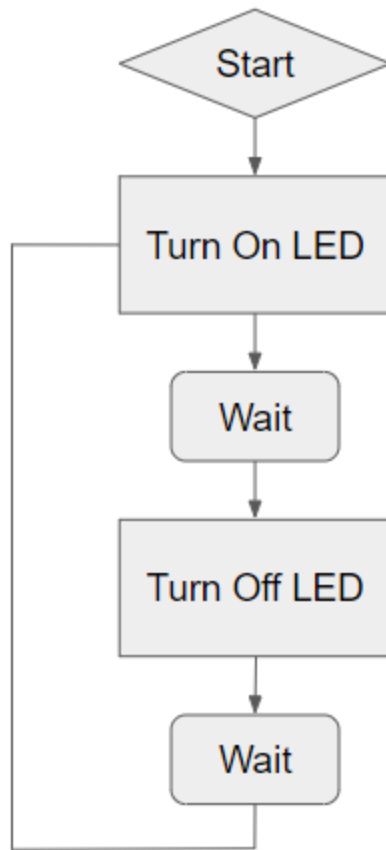
## **Application:**

Blink LED

## **Objectives:**

To check how to control GPIO pins of Raspberry Pi

## **Flowchart:**



### Code:

```
import RPi.GPIO as GPIO
from time import sleep
```

```
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)
```

```
while True:
    GPIO.output(8, GPIO.HIGH)
    sleep(1)
    GPIO.output(8, GPIO.LOW)
    sleep(1)
```

### Hardware connection:

GPIO 8 of Raspberry Pi - Resistor

Resistor - LED Anode  
GPIO GND - LED Cathode

### Circuit Diagram:

