**Name: Shubham Vilas Malve**

**Class: BE-II**

**Roll No.: E42067**

**CODE:**

const int buttonPin = 8; // Digital Pin 8 define as a push Button pin

const int ledPin = 10; // Digital Pin 13 define as LED Pin

int buttonState = 0; // Variable for reading the pushbutton status

void setup() {

pinMode(ledPin, OUTPUT);

pinMode(buttonPin, INPUT);

Serial.begin(9600);

}

void loop() {

buttonState = digitalRead(buttonPin);

if (buttonState HIGH)

{

digitalWrite(ledPin, HIGH);

Serial.println("Button Pressed");

}

else

{

digitalWrite(ledPin, LOW);

Serial.println("Button Not Pressed");

}

}

**CODE:**

import RPi.GPIO as GPIO

import time

LED=5

GPIO.setmode(GPIO.BCM)

GPIO.setup(LED, GPIO.OUT)

GPIO.output(LED, GPIO.HIGH)

def blink():

GPIO.output(LED, GPIO.HIGH)

time.sleep(1)

GPIO.output(LED, GPIO.LOW)

time.sleep(1)

def destroy():

GPIO.output(LED, GPIO.LOW)

GPIO.cleanup()

if\_\_name\_\_==‘\_\_main\_\_’:

try:

while True:

blink()

except KeyboardInterrupt:

destroy()

**CODE:**

int LEDpin = 13;

int delayT = 1000;

void setup() {

// put your setup code here, to run once:

pinMode(LEDpin, OUTPUT);

}

void loop() {

// put your main code here, to run repeatedly.

digitalWrite(LEDpin, HIGH);

delay(delayT);

digitalWrite(LEDpin, LOW);

delay(delayT);

}