**ASSIGNMENT 3**

**COLLEGE NAME : BANNARI AMMAN INSTITUTE OF TECHNOLOGY**

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**BLINKING OF LED AND TRAFFIC LIGHTS FOR RASPBERRY Pi**

**Code:**

*import time*

*import RPi.GPIO as GPIO*

*GPIO.setmode(GPIO.BOARD)*

*GPIO.setup(11, GPIO.OUT) while True: GPIO.output(11,True)*

*time.sleep(1)*

*GPIO.output(11,False)*

*time.sleep(1)*

*from gpiozero import Button, TrafficLights, Buzzer buzzer = Buzzer(15)*

*button = Button(21)*

*lights = TrafficLights(25, 8, 7) while True: button.wait\_for\_press()*

*light.green.on()*

*sleep(1)*

*lights.amber.on()*

*sleep(1)*

*lights.red.on()*

*sleep(1)*

*lights.off() while True:*

*lights.on()*

*buzzer.off()*

*button.wait\_for\_press()*

*lights.off()*

*buzzer.on()*

*button.wait\_for\_release() while True:*

*lights.blink()*

*buzzer.beep()*

*button.wait\_for\_press()*

*lights.off()*

*buzzer.off()*

*button.wait\_for\_release()*