

Assignment -3

PYTHON PROGRAMMING

Assignment Date	05 October 2022
Student Name	KEERTHANA.K
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Maximum Marks	2 Marks

Question:

Blinking LED & Traffic lights for Raspberry pi using python

Code:

BLINKING LED

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)
GPIO.setwarnings(False)
GPIO.setup(18,GPIO.OUT)
{
print "LED on"
GPIO.output(18,GPIO.HIGH)
time.sleep(1)
print "LED off"
GPIO.output(18,GPIO.LOW)
}
```

TRAFFIC LIGHT

```
from gpiozero import LED, Button
from time import sleep

green = LED(17)
red = LED(18)
amber = LED(2)
button = Button(3)

print("Press the button when you want to cross")

green.on()
amber.off()
red.off()

while True:
    print("Wait")
    button.wait_for_press()
    green.off()
    amber.on()
    sleep(5)
    amber.off()
    red.on()
    print("Cross now")
    sleep(10)
```

amber.on()

sleep(5)

green.on()

amber.off()

red.off()