

ASSIGNMENT-3

Assignment Date	1-10-2022
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Maximum Marks	

1.PYTHON CODE FOR BLINKING LED FOR RASPBERRY PI:

```
from gpiozero import Button, LED
led = LED(25)
while True:
    button.wait_for_press()
    led.on()
    button.wait_for_release()
    led.off()
while True:
    led.on()
    button.wait_for_press()
    led.off()
    button.wait_for_release()
while True:
    led.blink()
    button.wait_for_press()
    led.off()
    button.wait_for_release()
```

2. PYTHON CODE FOR TRAFFIC LIGHTS FOR RASPBERRY PI.

```
from gpiozero import Button, TrafficLights
lights = TrafficLights(25, 8, 7)
while True:
    button.wait_for_press()
```

```
lights.on()
button.wait_for_release()
lights.off()
while True:
    lights.blink()
    button.wait_for_press()
    lights.off()
    button.wait_for_release()
```