

INDUSTRY – SPECIFIC INTELLIGENCE FIRE MANAGEMENT SYSTEM

ASSIGNMENT – 3

Python code for blinking LED and Traffic lights for Raspberry pi:

CODE:

```
from gpiozero import Button, LED
button = Button(23)
led = LED(25)
/*while True:
button.wait_for_press()
led.on()
button.wait_for_release()
led.off()*/
while True:
led.blink()
button.wait_for_press()
led.off()
button.wait_for_release()
//#
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()
```

```
from time import sleep
```

```
/* while True:
```

```
lights.green.on()
```

```
sleep(1)
```

```
lights.amber.on()
```

```
sleep(1)
```

```
lights.red.on()
```

```
sleep(1)
```

```
lights.off() */
```

```
while True:
```

```
button.wait_for_press()
```

```
lights.green.on()
```

```
sleep(1)
```

```
lights.amber.on()
```

```
sleep(1)
```

```
lights.red.on()
```

```
sleep(1)
```

```
lights.off()
```