

## ASSIGNMENT 3

### Question

Write a Python Program for blinking LED and Traffic Lights for Raspberry pi

### Solution

```
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()
```

By,

R.jenifer