Nalaiya Thiran

Assignment 3

Q. Write a python code for blinking LED and Traffic lights for Raspberry pi.

Blinking LED:

```python
import RPi.GPIO as GPIO # Import Raspberry Pi GPIO library
from time import sleep # Import the sleep function from the time module
GPIO.setwarnings(False) # Ignore warning for now
GPIO.setmode(GPIO.BOARD) # Use physical pin numbering
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) # Set pin 8 to be an output pin and
set initial value to low (off)
while True: # Run forever
        GPIO.output(8, GPIO.HIGH) # Turn on
        sleep(1) # Sleep for 1 second
        GPIO.output(8, GPIO.LOW) # Turn off
        sleep(1)
```

Traffic Light:

```python
from gpiozero import LED

red = LED(22)

amber = LED(27)

green = LED(17)

red.blink(1, 1)

amber.blink(2, 2)

green.blink(3, 3)
```

Yaswanth channdar B

921319104231

Team ID : PNT2022TMID05117