**Assignment -3**

**Python Programming**

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| Assignment Date | 10 October 2022 |
| Student Name | M. Anto Nidhish |
| Student Roll Number | 9517201904019 |
| Maximum Marks | 2 Marks |

**Question-1:**

Write a python program to blink an LED.

**Solution:**

import RPi.GPIO as GPIO

from time import sleep

GPIO.setmode(GPIO.BOARD)

GPIO.setup(7, GPIO.OUT)

while True:

GPIO.output(7, GPIO.HIGH)

print(“LED On”)

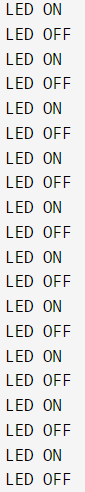
sleep(1)

GPIO.output(7, GPIO.LOW)

sleep(1)

print(“LED Off”)

**Output :**



**Question-2:**

Write a python code to generate traffic light.

**Solution :**

from gpiozero import TrafficLights

from time import sleep

lights = TrafficLights(10, 9, 11)

while True:

light.red.off()

light.green.on()

print(GREEN)

sleep(1)

light.green.off()

lights.amber.on()

print(AMBER)

sleep(1)

lights.amber.off()

light.red.on()

print(RED)

sleep(1)

**Output :**

