# Assignment -3

Python Programming

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| Assignment Date | 06 October 2022 |
| Student Name | THARUN N T |
| Student Roll Number | ECC1942 |
| Maximum Marks | 2 Marks |

# Question-1:

Write a python code for led blinking in raspberry pi

SOLUTION:

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)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while

GPIO.HIGH) # Turn on sleep(1)

second GPIO.output(8, GPIO.LOW)

sleep(1)

# Question-2:

Write a python code for traffic light in raspberry pi

SOLUTION:

from gpiozero import Button, TrafficLights, Buzzer from time import sleep

buzzer = Buzzer(18) button = Button(14)

lights = TrafficLights(25,18, 15)

while True:

button.wait\_for\_press() buzzer.on() light.green.on() sleep(1) lights.amber.on() sleep(1)

lights.red.on() sleep(1) lights.off() buzzer.off()