**Assignment -3**

**Python Programming**

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| Assignment Date | 6 October 2022 |
| Student Name | Senthamil Selvi D |
| Student Roll Number | 111919106057 |
| Maximum Marks | 2 Marks |

**Question-1:** Write a python code for blinking LED and Traffic lights for Raspberry pi.

**Soln:**

import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(6, GPIO.OUT,initial=GPIO.LOW)

while True:

        GPIO.output(6,GPIO.HIGH)

        sleep(1)

        GPIO.output(6,GPIO.LOW)

        sleep(1)

from gpiozero import led

from time import sleep

red = led(22)

amber = led(25)

green = led(17)

while True:

          red.on()

sleep(3)

amber.on()

sleep(1)

green.on()

sleep(3)

          red.off()

sleep(3)

amber.off()

sleep(1)

green.off()