**Assignment -3**

Python Programming

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| Assignment Date | 04 October 2022 |
| Student Name | KRUTHIKA D |
| Student Roll Number | 820419106027 |
| Maximum Marks | 2 Marks |

**Question-1:**

Write python code for blinking LED and Traffic lights for Raspberry pi

**Solution:**

**Blinking LED:**

from machine import Pin

import utime

led = Pin(1,Pin.OUT)

while True:

  led.toggle()

  utime.sleep(0.5)

**Traffic lights:**

import machine

import utime

red\_led = machine.Pin(0,machine.Pin.OUT)

yellow\_led = machine.Pin(2,machine.Pin.OUT)

green\_led = machine.Pin(5,machine.Pin.OUT)

while True:

  red\_led.value(1)

  utime.sleep(2)

  yellow\_led.value(1)

  utime.sleep(1)

  red\_led.value(0)

  yellow\_led.value(0)

  green\_led.value(1)

  utime.sleep(2)

  green\_led.value(0)

  yellow\_led.value(1)

  utime.sleep(1)

  yellow\_led.value(0)