**Assignment -3**

PYTHON PROGRAMMING

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| Assignment Date | 07 October 2022 |
| Student Name | **Niranjan R.T** |
| Student Roll Number | **212219060187** |
| Maximum Marks | 2 Marks |

**Question-1:**

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

Only python code is enough, no need to execute in raspberry pi.

Note: you are allowed to use web search and complete the assignment.

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| **Solution:** |

**PROGRAM:**

import time

GPIO.setmode(GPIO.BOARD)

GPIO.setup(11, GPIO.OUT)

GPIO.setup(12, GPIO.OUT)

GPIO.setup(13, GPIO.OUT)

while True:

GPIO.output(11, True) ## Turn on redLed

time.sleep(1) ## Wait for one second

GPIO.output(11, False) ## Turn off redLed

time.sleep(1) ## Wait for one second

GPIO.output(12, True) ## Turn on yellowLed

time.sleep(1) ## Wait for one second

GPIO.output(12, False) ## Turn off yellowLed

time.sleep(1) ## Wait for one second

GPIO.output(13, True) ## Turn on greenLed

time.sleep(1) ## Wait for one second

GPIO.output(13, False) ## Turn off greenLed

time.sleep(1)