**ASSIGNMENT -3**

Python Programming

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| Assignment Date | 19 October 2022 |
| Student Name | Vanitha M |
| Student Roll Number | 19CS157 |
| Maximum Marks | 2 Marks |

**QUESTION-1:**

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

**SOLUTION:**

from machine import Pin

from time import sleep

green = Pin(23, Pin.OUT)

yellow = Pin(25, Pin.OUT)

red = Pin(26, Pin.OUT)

traffic\_state = ['SOLID\_GRN',

'SOLID\_RED',

'SOLID\_ORN']

while True:

for x in traffic\_state:

if x == 'SOLID\_GRN':

green.on()

sleep(2)

green.off()

if x == 'SOLID\_RED':

red.on()

sleep(3)

red.off()

if x == 'SOLID\_ORN':

yellow.on()

sleep(1)

yellow.off()