**Assignment -3**

PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

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| Assignment Date | 7 OCTOBER 2022 |
| Student Name | AKSHAYA K |
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| Maximum Marks | 2 Marks |

**Question:**

**Write python code for blinking led and traffic lights for Raspberry pi**

**CODE FOR BLINKING LED :**

import time

import RPi.GPIO as GPIO

GPIO. set mode (GPIO.BOARD)

GPIO. setup (11,GPIO.OUT)

while True:

GPIO. output(11,true)

time.sleep(1)

GPIO.output(11,false)

time.sleep(1)

**CODE FOR TRAFFIC LIGHTS:**

from gpiozero import Button, Traffic lights, Buzzer

from time import sleep

buzzer = Buzzer (15)

button = Button (21)

lights = Traffic lights (25,8,7)

while True:

button.wait\_for\_press ( )

buzzer.on ( )

lights.green.on ( )

sleep (1)

lights.amber.on ( )

sleep (1)

lights.red.on ( )

sleep (1)

lights.off ( )

buzzer.off ( )