Assignment -3

Python Programming

Assignment Date	05 October 2022
Student Name	K. SAI VINAY
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Maximum Marks	2 Marks

Question-1:

Write python code for Blinking LED and Trafficlights for Raspberrypi .

Solution:

BLINKING LED

CODE

```
from gpiozero import LED

from time import sleep

led = LED(23) while True:

led.on()    print("LED

ON")    sleep(1)

led.off()    print("LED

OFF")    sleep(1)
```

TRAFFICLIGHTS
CODE

```python
import RPi.GPIO as GPIO
import time import
signal
import sys
GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)
    GPIO.output(9, False)
    GPIO.output(10, False)
    GPIO.output(11, False)
GPIO.cleanup()    sys.exit(0)
signal.signal(signal.SIGINT, allLightsOff)
while True:    GPIO.output(9, True)
time.sleep(3)    GPIO.output(10,
True)    time.sleep(1)
GPIO.output(9, False)
    GPIO.output(10, False)
GPIO.output(11, True)
time.sleep(5)    GPIO.output(11,
False)    GPIO.output(10, True)
time.sleep(2)
```