Assignment -3
Python
Programming

Assignment Date	03 October 2022
Student Name	RAHUL M
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Maximum Marks	2 Marks

Question-1

Create a raspberry pi python code for simulating a traffic light signal

Solution :

```
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)
while True:
 # red
 GPIO.output(17, True)
 time.sleep(3)
 # yellow
 GPIO.output(27, True)
 time.sleep(2)
 # green GPIO.output(17,
 False) GPIO.output(27,
 False) GPIO.output(11,
 True) time.sleep(5)
 # yellow GPIO.output(11,
 False) GPIO.output(27,
 True) time.sleep(2)

 GPIO.output(10, False)
```

Question-2:

Create a raspberry pi Python program to make an led blink

Solution :

```
import RPi.GPIO as GPIO from
time import sleep
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) while
True:
 GPIO.output(22, GPIO.HIGH)
 sleep(1)
 GPIO.output(22, GPIO.LOW)
 sleep(1)
```