

Assignment -3
Python Programming

Assignment Date	3 October 2022
Student Name	M.C.Aiswarya
Student Roll Number	913119106006
Maximum Marks	2 Marks

Question-1:

Write a python code for blinking LED for Raspberry pi.

Solution:

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setmode (GPIO.BOARD)
GPIO.setup (11,GPIO.OUT)
while True:
    GPIO.output(11,True)
    time.sleep(2)
    GPIO.output(11,False)
    time.sleep(2)
```

Question-2:

Write a python code for traffic lights for Raspberry pi.

Solution:

```
from gpiozero import LED
from time import sleep

red = LED(22)
amber = LED(27)
green = LED(17)
while True:
    red.on()
    sleep(1)
    amber.on()
    sleep(1)
    green.on()
    sleep(1)
    red.off()
    sleep(1)
    amber.off()
    sleep(1)
    green.off()
```

