

Assignment -3

Assignment Date	01 October 2022
Student Name	Mr.S.Venkatesh
Student Roll Number	820419106069
Maximum Marks	2 Marks

Question-1:

Write a python code for blinking LED and traffic lights for Raspberry pi.

Solution:

```
from gpiozero import LED, Button from time import sleep
red = LED(18)
amber = LED(2)
green = LED(17)
button = Button(3)
print("Press the button when you want to cross.")
green.on()
amber.off()
red.off()
while True:
    print("Wait")
    button.wait_for_press()
    green.off()
    amber.on()
    sleep(5)
    amber.off()
    red.on()
    print("Cross now.")
    sleep(10)
    amber.on()
    sleep(5)
```

green.on()

amber.off()

red.off()