Assignment -3

Assignment Date	10 October 2022
Student Name	Ashika.R
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Maximum Marks	2 Marks

Question-1:

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

Solution:

Blinking of LED:

```
import time
import RP1.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setwarnings(False)
GPIO.setup(11,GPIO.OUT)
while 1:
    GPIO.output(11 ,GPIO.HIGH)
time.sleep(1);
GPIO.output(11 ,GPIO.LOW)
time.sleep(1);
```

Traffic light:

```
from gpiozero import
LED,Button
from time import sleep
green = LED(17)
red = LED(18)
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()
```