Assignment -3

Python Programming

Assignment Date	11 October 2022
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Question-1:

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

Solution:

import RPi.GPIO as GPIO import time import signal import sys

Setup GPIO.setmode(GPIO.BCM) GPIO.setup(9, GPIO.OUT) GPIO.setup(10, GPIO.OUT) GPIO.setup(11, GPIO.OUT)

signal.signal(signal.SIGINT, allLightsOff)



```
# Loop for led light
while True:
      # RED LIGHT
      GPIO.output(9, True)
      time.sleep(3)
      # RED AND YELLOW
      GPIO.output(10, True)
      time.sleep(1)
      # GREEN LIGHT
      GPIO.output(9, False)
      GPIO.output(10, False)
      GPIO.output(11, True)
      time.sleep(5)
      # YELLOW LIGHT
      GPIO.output(11, False)
      GPIO.output(10, True)
      time.sleep(2)
      #YELLOW OFF (red start from
first loop)
      GPIO.output(10, False)
```