Assignment -3

Python Programming

Assignment Date	07 October 2022
Student Name	VINCY SHARMILA VK
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Maximum Marks	2 Marks

Question:

Write a python code for blinking LED and Traffic lights for Raspberry Pi.

PROGRAM:

Turn off all lights when user ends demo def allLightsOff(signal, frame):

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

```
GPIO.output(9, False)
      GPIO.output(10, False)
      GPIO.output(11, False)
      GPIO.cleanup() sys.exit(0)
      signal.signal(signal.SIGIN
      T, allLightsOff)
# Loop forever while
True:
      # Red GPIO.output(9,
      True) time.sleep(3)
      # Red and amber for UK only if
      (pattern == 'uk'):
            GPIO.output(10, True) time.sleep(1)
      # Green
      GPIO.output(9, False)
      GPIO.output(10, False)
      GPIO.output(11, True) time.sleep(5)
      # Amber, longer in US than UK
      GPIO.output(11, False)
      GPIO.output(10, True)
      if (pattern == 'uk'):
            time.sleep(2)
      else:
            time.sleep(3)
      # Amber off (red comes on at top of loop)
      GPIO.output(10, False)
```