ASSIGNMENT 3

Assignment Date	19 September 2022
Student Name	J.Prasanna Bharathi
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Maximum Marks	2 Marks

Question:

Write Python Code for Blinking LED and Traffic Lights for Raspberry pi

LED Blinking Python Code

```
import RPi.GPIO as GPIO
       import time ledPin = 25 def
       setup():
           GPIO.setmode(GPIO.BOARD)
           GPIO.setup(ledPin, GPIO.OUT)
           GPIO.output(ledPin, GPIO.LOW)
       def loop():
while True:
                print 'LED on'
                GPIO.output(ledPin, GPIO.HIGH)
                time.sleep(3.0) print
                'LED off'
                GPIO.output(ledPin, GPIO.LOW)
       time.sleep(3.0) def endprogram():
           GPIO.output(ledPin, GPIO.LOW)
           GPIO.cleanup()
                            if
```

_ _

name_____= ' main ':

```
setup()

try:

loop()

except KeyboardInterrupt: endprogram()
```

Traffic Light Python Code

```
from giozero import LED
from time import sleep
red=LED(18)
yellow=LED(19)
green=LED(28)
                    while
True: red.on() sleep(16)
       red.off() sleep(2)
       yellow.on()
       sleep(14)
       yellow.off()
       sleep(2)
       green.on()
       sleep(13
       green.off()
       sleep(2)
```