NAME: MANAMALA MINEETH

REGISTER NUMBER: 111519106082

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Write A Python Code For Blinking Led For Raspberry Pi.

```
import RPi.GPIO as GPIO # Import Raspberry Pi GPIO library
from time import sleep # Import the sleep function from the time module
GPIO.setwarnings(False) # Ignore warning for now
GPIO.setmode(GPIO.BOARD) # Use physical pin numbering
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) # Set pin 8 to be an output pin and set initial value to low (off)
while True: # Run forever
 GPIO.output(8, GPIO.HIGH) # Turn on
 sleep(1) # Sleep for 1 second
 GPIO.output(8, GPIO.LOW) # Turn off
 sleep(1) # Sleep for 1 second
```

Write A Python Code For Traffic Lights For Raspberry Pi.

```
import RPi.GPIO as GPIO
import time
try:
  def lightTraffic(led1, led2, led3, delay ):
    GPIO.output(led1, 1)
    time.sleep(delay)
    GPIO.output(led1, 0)
    GPIO.output(led2, 1)
    time.sleep(delay)
    GPIO.output(led2, 0)
```

```
    GPIO.output(led3, 1)
    time.sleep(delay)
    GPIO.output(led3, 0)
  GPIO.setmode(GPIO.BCM)
  button = 19
  GPIO.setup(button, GPIO.IN, pull_up_down=GPIO.PUD_UP)
  ledGreen = 16
  ledYellow = 12
  ledRed = 23
  GPIO.setup(ledGreen, GPIO.OUT)
  GPIO.setup(ledYellow, GPIO.OUT)
  GPIO.setup(ledRed, GPIO.OUT)
  while True:
    input_state = GPIO.input(button)
    if input_state == False:
      print('Button Pressed')
      lightTraffic(ledGreen, ledYellow, ledRed, 1)
    else:
      GPIO.output(ledGreen, 0)
      GPIO.output(ledYellow, 0)
      GPIO.output(ledRed, 0)
except KeyboardInterrupt:
  print "You've exited the program"
finally:
  GPIO.cleanup()
```