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#!/usr/bin/python
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```
import RPi.GPIO as GPIO
```

```
import serial
```

```
import time
```

```
GPIO.setwarnings(False)
```

```
GPIO.setmode(GPIO.BCM)
```

```
GPIO.setup(21, GPIO.OUT)
```

```
GPIO.output(21, GPIO.LOW)
```

```
ser = serial.Serial("/dev/ttyAMA0",115200)
```

```
ser.flushInput()
```

```
phone_number = " #***** change it to the phone number you want to call
```

```
text_message = "
```

```
power_key = 6
```

```
rec_buff = "
```

```
def send_at(command,back,timeout):
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```
    rec_buff = "
```

```
    ser.write((command+'\r\n').encode())
```

```
    time.sleep(timeout)
```

```
    if ser.inWaiting():
```

```
        time.sleep(0.01 )
```

```

        #print(rec_buff)
        rec_buff = ser.read(ser.inWaiting())
        #print(rec_buff)
    if rec_buff != "":
        print(rec_buff.decode())
        if 'red' in rec_buff.decode(): GPIO.output(21, GPIO.HIGH), time.sleep(3),
GPIO.output(21, GPIO.LOW)
        if back not in rec_buff.decode():print(command + ' back:\t' +
rec_buff.decode())
        return 0
    else:
        #print(rec_buff)
        global TEXTDATA
        TEXTDATA = str(rec_buff)
        print(TEXTDATA)
        return 1

```

```

def ReceiveShortMessage():

```

```

    rec_buff = ""
    #print('Setting SMS mode...')
    send_at('AT+CMGF=1','OK',1)
    send_at('AT+CMGL="REC UNREAD"', 'OK', 1)
    answer = send_at('AT+CMGL="REC UNREAD"', '+CMTI', 1)

    #A = ser.read(ser.inWaiting())
    #B = A.decode()
    #print(B)

```

```

#buffer_string = str(rec_buff) + str(ser.read(ser.inWaiting()))
#buffer_string2 = bytes(buffer_string)
#buffer_string3 = buffer_string2.decode()
#print(buffer_string3)

#if 'n' in buffer_string:
#    lines=buffer_string.split('n')
#    last_received = lines[-2]
#A = ser.readline()
#print(buffer_string)

if 1 == answer:
    answer = 0
    #print(rec_buff)
    if 'red' in rec_buff:
        answer = 1
        print('Turning LEDS onto RED')
else:
    print('No New text')
    return False
return True

#
# def ReceiveShortMessage():
#     rec_buff = ''
#     print('Setting SMS mode...')
#     send_at('AT+CMGF=1','OK',1)
#     send_at('AT+CMGL="REC UNREAD"', 'OK', 1)

```

```

#     answer = str(send_at('AT+CMGL="REC UNREAD"', 'OK', 1))
#     #answer = send_at('AT+CMGL="REC UNREAD";+CMGR:',2)
#     print(answer)
#     if 1 == answer:
#         answer = 0
#         if 'OK' in rec_buff:
#             answer = 1
#             print(rec_buff + 'This is the Location')
#     else:
#         print('error%d'%answer)
#         return False
#     return True

```

```

def power_on(power_key):

```

```

    print('SIM7600X is starting:')
    GPIO.setmode(GPIO.BCM)
    GPIO.setwarnings(False)
    GPIO.setup(power_key,GPIO.OUT)
    time.sleep(0.1)
    GPIO.output(power_key,GPIO.HIGH)
    time.sleep(2)
    GPIO.output(power_key,GPIO.LOW)
    time.sleep(20)
    ser.flushInput()
    print('SIM7600X is ready')

```

```

def power_down(power_key):

```

```

    print('SIM7600X is logging off:')

```

```
GPIO.output(power_key,GPIO.HIGH)
time.sleep(3)
GPIO.output(power_key,GPIO.LOW)
time.sleep(18)
print('Good bye')
```

```
power_on(power_key)
```

```
while True:
```

```
    ReceiveShortMessage()
```