|  |
| --- |
| 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) |
|  |  |
|  | # Turn off all lights when user ends demo |
|  | def allLightsOff(signal, frame): |
|  | GPIO.output(9, False) |
|  | GPIO.output(10, False) |
|  | GPIO.output(11, False) |
|  | GPIO.cleanup() |
|  | sys.exit(0) |
|  |  |
|  | signal.signal(signal.SIGINT, allLightsOff) |
|  |  |
|  | # Loop forever |
|  | while True: |
|  | # Red |
|  | GPIO.output(9, True) |
|  | time.sleep(3) |
|  |  |
|  | # Red and amber |
|  | GPIO.output(10, True) |
|  | time.sleep(1) |
|  |  |
|  | # Green |
|  | GPIO.output(9, False) |
|  | GPIO.output(10, False) |
|  | GPIO.output(11, True) |
|  | time.sleep(5) |
|  |  |
|  | # Amber |
|  | GPIO.output(11, False) |
|  | GPIO.output(10, True) |
|  | time.sleep(2) |
|  |  |
|  | # Amber off (red comes on at top of loop) |
|  | GPIO.output(10, False) |