```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BOARD)
GPIO.setwarnings(False)
GPIO.setup(3,GPIO.IN)
GPIO.setup(31,GPIO.OUT)
while True:
        if GPIO.input(3)==1:
                GPIO.output(31,1)
                print ("ON")
                time.sleep(1)
        elif GPIO.input(3)==0:
                GPIO.output(31,0)
                print ("OFF")
                time.sleep(1)
GPIO.cleanup()
```

	Pin No.		
3.3V	1	2	5V
GPIO2	3	4	5V
GPIO3	5	6	GND
GPIO4	7	8	GPIO14
GND	9	10	GPIO15
GPIO17	11	12	GPIO18
GPIO27	13	14	GND
GPIO22	15	16	GPIO23
3.3V	17	18	GPIO24
GPIO10	19	20	GND
GPIO9	21	22	GPIO25
GPIO11	23	24	GPIO8
GND	25	26	GPIO7
DNC	27	28	DNC
GPIO5	29	30	GND
GPIO6	31	32	GPIO12
GPIO13	33	34	GND
GPIO19	35	36	GPIO16
GPIO26	37	38	GPIO20
GND	39	40	GPIO21

```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BOARD)
GPIO.setwarnings(False)
GPIO.setup(31,GPIO.OUT)
GPIO.setup(33,GPIO.OUT)
GPIO.setup(35,GPIO.OUT)
GPIO.setup(37,GPIO.OUT)
while True:
        GPIO.output(31,1)
        GPIO.output(33,0)
        GPIO.output(35,0)
        GPIO.output(37,1)
        print ("1ST")
        time.sleep(1)
        GPIO.output(31,0)
        GPIO.output(33,1)
        GPIO.output(35,1)
        GPIO.output(37,0)
        print ("2ND")
        time.sleep(1)
GPIO.cleanup()
```

CONNECTIONS:

SWITCH 1 - PIN 3

SWITCH 2 - PIN 5

RED LED1 +VE LONG END -PIN31

GREEN +VE LONG END -PIN33

RED LED2 +VE LONG END- PIN35

GREEN +VE LONG END -PIN37

REMAINING -NEGATIVES TO PIN 6

```
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setwarnings(False)
GPIO.setup(3,GPIO.IN)
GPIO.setup(5,GPIO.IN)
GPIO.setup(31,GPIO.OUT)
GPIO.setup(33,GPIO.OUT)
GPIO.setup(35,GPIO.OUT)
GPIO.setup(37,GPIO.OUT)
while True:
        if GPIO.input(3)==1:
                GPIO.output(31,1)
                GPIO.output(33,0)
                GPIO.output(35,0)
                GPIO.output(37,1)
                print ("1ST")
        elif GPIO.input(5)==1:
                GPIO.output(31,0)
                GPIO.output(33,1)
                GPIO.output(35,1)
                GPIO.output(37,0)
                print ("2ND")
GPIO.cleanup()
```

-K SOLOMON JONES