###########################################################################

#Filename :relay\_with\_led.py

#Description :control led with relay

#Company :SunRobotics Technologies

#Website :www.sunrobotics.co.in

#E-mail :support@sunrobotics.co.in(For Any Query)

###########################################################################

#include <wiringPi.h>

#include <stdio.h>

#include <stdlib.h>

#define RelayPin 0

int main(void){

if(wiringPiSetup() == -1){ //when initialize wiring failed, print messageto screen

printf("setup wiringPi failed !");

exit(1);

}

pinMode(RelayPin, OUTPUT); //set GPIO0 output

printf("\n");

printf("|\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*|\n");

printf("| Relay |\n");

printf("| ------------------------------ |\n");

printf("| GPIO0 connect to relay's control pin |\n");

printf("| led connect to relay's NormalOpen pin|\n");

printf("| 5v connect to relay's COM pin |\n");

printf("| |\n");

printf("| Make relay to control a led |\n");

printf("| |\n");

printf("| |\n");

printf("|\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*|\n");

printf("\n");

for(;;){

// disconnect

printf("|\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*|\n");

printf("| ...Relay Close |\n");

printf("|\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*|\n");

digitalWrite(RelayPin, LOW);

delay(1000);

// connect

printf("|\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*|\n");

printf("| Relay Open... |\n");

printf("|\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*|\n");

digitalWrite(RelayPin, HIGH);

delay(1000);

}

return 0;

}