/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*Filename : buzzer.c

\*Description : make a buzzer beep.

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\*Website: www.sunrobotics.co.in

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#include <wiringPi.h>

#include <stdio.h>

#include <stdlib.h>

#define BuzzerPin 1

int main(void){

int i;

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

printf("setup wiringPi failed !");

exit(1);

}

pinMode(BuzzerPin,OUTPUT); //set GPIO1 output with PWM

printf("\n");

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

printf("| Beep |\n");

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

printf("| Buzzer connect to GPIO1 |\n");

printf("| |\n");

printf("| Make Buzzer beep |\n");

printf("| |\n");

printf("| |\n");

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

printf("\n");

printf("Program is running...\n");

printf("\n");

printf("Please press Ctrl+C to end the program...\n");

for(;;){

for(i=0;i<70;i++){

//beep on

digitalWrite(BuzzerPin, LOW);

delay(3);

//beep off

digitalWrite(BuzzerPin,HIGH);

delay(3);

}

delay(100);

for(i=0;i<100;i++){

//beep off

digitalWrite(BuzzerPin, HIGH);

delay(1);

//beep on

digitalWrite(BuzzerPin,LOW);

delay(1);

}

//delay(100);

}

return 0;

}