Introduction：

In the future, people may be faced with the dilemma of living without sound, and sound may become a source of extreme danger or other hazards. I have set up a small three-dimensional code that can be used in such dangerous situations. It is a device made up of buttons and lights: three buttons controlling three, two and one LED lights respectively. The regularity of the lights makes it possible to decode the code by means of different lights and by the flashing of the LEDs, for special occasions or for decoding actions that can only be carried out with buttons and lights.

```
int SwitchState0 = 0;
int SwitchState1 = 0;
int SwitchState2 = 0;

void setup()
{
   pinMode(8,OUTPUT);
   pinMode(9,OUTPUT);
   pinMode(10,OUTPUT);
   pinMode(7,INPUT);
   pinMode(6,INPUT);
   pinMode(5,INPUT);
}
void loop()
{
   SwitchState0 = digitalRead(5);
   if (SwitchState0 == LOW) {
      digitalWrite(8, LOW);}
     else
     {digitalWrite(8, HIGH);
     delay(250);
     digitalWrite(9, HIGH);
     delay(250);
     digitalWrite(10, HIGH);
     delay(1000);}

SwitchState1 = digitalRead(6);
   if (SwitchState1 == LOW) {
      digitalWrite(9, LOW);}
     else
```

```
    {digitalWrite(9, HIGH);
      delay(250);
    digitalWrite(10, HIGH);
      delay(1000);}
SwitchState2 = digitalRead(7);
  if (SwitchState2 == LOW) {
      digitalWrite(10, LOW);}
    else
    {digitalWrite(10, HIGH);}

}
```