int Led=13;// Definition LED Interface  
int SENSOR=3;// Define the Hall magnetic sensor interface  
int val;// Defines a numeric variable val  
void setup()  
{  
pinMode(Led,OUTPUT);// Definition LED as output interface  
pinMode SENSOR,INPUT);// Defined the Hall magnetic sensor as output interface  
}  
void loop()  
{  
val=digitalRead(SENSOR);// The digital interface is assigned a value of 3 to read val  
if(val==HIGH)// When the shock sensor detects a signal , LED flashes  
{  
digitalWrite(Led, HIGH);  
}  
Else  
{  
digitalWrite(Led, LOW);  
}  
}