

## SMART HOME USING TINKERCAD

### CODING

```
#include <LiquidCrystal.h>

LiquidCrystal lcd(13,12,6,5,3,2);
int led=7;
int PIR=4;
int buzzer=8;
int PIRstatus;

void setup()
{
  lcd.begin(16,2);
  pinMode(led, OUTPUT);
  pinMode(buzzer, OUTPUT);
  pinMode(PIR,INPUT);
  lcd.clear();
}

void loop()
{
  PIRstatus=digitalRead(PIR);
  if (PIRstatus==HIGH){
    lcd.clear();
    digitalWrite(led, HIGH);
    digitalWrite(buzzer, HIGH);

    digitalWrite(buzzer, HIGH);
    tone(buzzer, 300, 10000);
    lcd.setCursor(0,1);
    lcd.print("ALERT");

    delay(7000);
    lcd.clear();
  }
  else
  {
    lcd.setCursor(0, 0);
    lcd.print("SAFE");  digitalWrite(led, LOW);
    digitalWrite(buzzer, LOW);}
    delay(1000);
```

}  
CIRCUIT DIAGRAM

