

# HOME AUTOMATION USING IOT ( TINKERCAD )

19ECR011

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CODE FOR AUTOMATION:

```
#include<Servo.h>

Servo s;

int buzz = 8;

void setup()
{
    Serial.begin(9600);
    pinMode(13, OUTPUT);
    pinMode(2, INPUT);
    pinMode(3, INPUT);
    pinMode(buzz,OUTPUT);
    s.attach(3);
}

void loop()
{
    int a=digitalRead(2);
    Serial.println(a);
    digitalWrite(13, LOW);
    if(a==1){
        Serial.println("MOTION FOUND");
        digitalWrite(13, HIGH);
    }
}
```

```
    tone(buzz, 131);  
    delay(350);  
    noTone(buzz);  
    delay(350);  
    for(int i=180;i>=0;i--){  
        s.write(i);  
        delay(10);  
    }  
}  
}
```

OUTPUT IMAGE:

