**ASSIGNMENT 1**

**HOME AUTOMATION :**

**Code:**

#include <IRremote.h>

int RECV\_PIN = 5;

int i=0;

int j=0;

int k=0;

IRrecv irrecv(RECV\_PIN);

decode\_results results;

void setup() {

Serial.begin(9600);

irrecv.enableIRIn();

pinMode(13,OUTPUT);

pinMode(9,OUTPUT);

pinMode(11,OUTPUT);

}

void loop() {

//digitalWrite(13,LOW);

if (irrecv.decode(&results)) {

Serial.println(results.value, HEX);

if(results.value==0xFD30CF)

{

i++;

int x=i%2;

digitalWrite(13,x);

}

else if(results.value==0xFD08F7)

{

j++;

int y=j%2;

digitalWrite(9,y);

}

else if(results.value==0xFD8877)

{

k++;

int z=k%2;

digitalWrite(11,z);

}

irrecv.resume();

}

delay(100);

}

**Output:**



