

ASSIGNMENT 1

<u>Student Name</u>	<u>Siva Athithya V J</u>
<u>Student Roll Number</u>	<u>962319106033</u>
<u>Maximum Marks</u>	<u>2 marks</u>

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:

