

NALAIYA THIRAN -ASSIGNMENT 1

SMART HOME - Whenever the temperature will be raised, led glow, buzzer makes sound, and door will open (servo motor)

```
#include<Servo.h>
```

```
Servo s;
```

```
void setup()
```

```
{
```

```
  s.attach(3);
```

```
  pinMode(13,OUTPUT);
```

```
  pinMode(12,OUTPUT);
```

```
}
```

```
void loop()
```

```
{
```

```
  s.write(0);
```

```
  digitalWrite(13,0);
```

```
  noTone(12);
```

```
  double a=analogRead(A0);
```

```
  double t=(((a/1024)*5)-0.5)*100;
```

```
  if (t>25)
```

```
  {
```

```
    s.write(90);
```

```
    digitalWrite(13,1);
```

```
    tone(12,1000);
```

```
  }
```

```
  delay(1000);
```

}

CIRCUIT DIAGRAM

