

# ASSIGNMENT 1 – IOT HOME AUTOMATION

## TEAM MEMBERS:

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**PROJECT LINK:** [https://www.tinkercad.com/things/hAIUOf4HC0d-sizzling-leelo-crift/editel?sharecode=4LHY\\_JHhvoMfV\\_CSs6qpXA0ktDEE-SiD-z2Wdl9Jwk4](https://www.tinkercad.com/things/hAIUOf4HC0d-sizzling-leelo-crift/editel?sharecode=4LHY_JHhvoMfV_CSs6qpXA0ktDEE-SiD-z2Wdl9Jwk4)

## CODE:

```
void setup()
{
  pinMode(6,OUTPUT);//led
  pinMode(7,OUTPUT);//buzzer
  pinMode(3,INPUT);//pir
  pinMode(A1,INPUT);//ldr
  Serial.begin(9600);
}

void loop()
{
  int a=analogRead(A1);
  Serial.println("The value of LDR is:");
  Serial.print(a);
  if(a<500)
  {
    analogWrite(6,255);
  }
  else if(a>500)
  {
    analogWrite(6,0);
```

```

}
if(digitalRead(3)==HIGH)
{
  tone(7,131);
}
else if(digitalRead(3)==LOW)
{
  noTone(7);
}
delay(500);
}

```

### CIRCUIT:

