ASSIGNMENT 1 – IOT
HOME AUTOMATION

TEAM MEMBERS:

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PROJECT LINK: https://www.tinkercad.com/things/hAIUOf4HCOd-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: