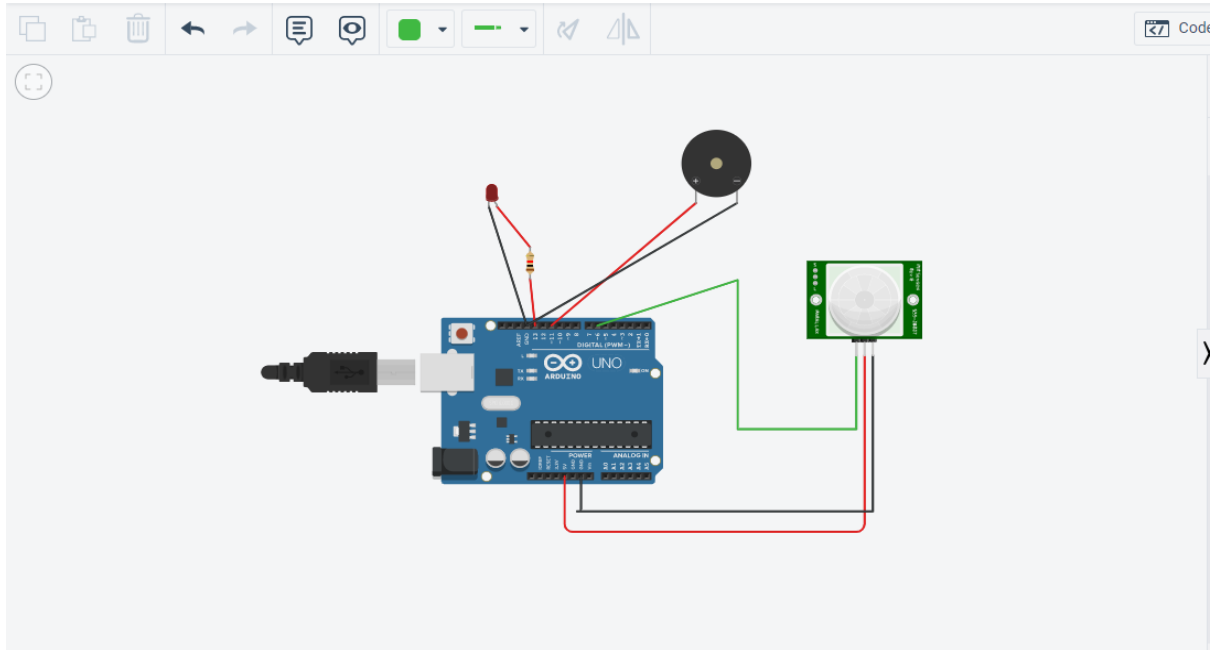


ASSIGNMENT 1

Title: Smart Home

CIRCUIT DIAGRAM



Code:

```
int sensor=6;
int val=0;
void setup()
{
  pinMode(6,INPUT);
  pinMode(13,OUTPUT);
  pinMode(11,OUTPUT);
  Serial.begin(9600);
}

void loop()
{
  val=digitalRead(sensor);
  if(val==HIGH)
  {
    digitalWrite(13,HIGH);
    tone(11,50);
    delay(200);
  }
}
```

```
else
{
    digitalWrite(13,LOW);
    noTone(11);
    delay(1000);
}
}
```