

Assignment -1

Assignment Date	17 September 2022
Student Name	S.ANANDHI
Student Roll Number	510119106001
Maximum Marks	2 Marks

Question-1:

HOME AUTOMATION BY USING SENSORS MOTION DETECTOR:

PROGRAM:

```
float x,y ;
void setup ()
{
  pinMode( 8, INPUT);
  pinMode( 5, OUTPUT);
  pinMode( A5, INPUT);
  Serial.begin(9600);
}
void loop ()
{
  x= digitalRead(8);
  y= analogRead(A5);
  Serial.println(x);
  Serial.println(y);
  if ( (x>0) && (y<550))
  {
    digitalWrite(5, HIGH);
    delay (5000);
  }
  else
    digitalWrite(5, 0);
}
```

CIRCUIT DIAGRAM:

