Assignment -1

Assignment Date	9 September 2022
Student Name	Ms.Cindrella Pascal
Student Roll Number	422119106002
Maximum Marks	2 Marks

Question:

   Smart home automation.

Title:

Motion detector controller

Solution:	
	``const int pir=4;
const int temp=A0;
int led=6;
int motor=7;
int buzzer=8;
void setup()
{
Serial.begin(9600);
pinMode(pir,INPUT);
pinMode(temp,INPUT);
pinMode(led,OUTPUT);
pinMode(motor,OUTPUT);
pinMode(buzzer,OUTPUT);
}
void loop()
{
int pirval=digitalRead(pir);
int tempval=analogRead(temp);
if(pirval==HIGH)
{```

```
      digitalWrite(led,HIGH);

    }

    else

    {

      digitalWrite(led,LOW);

    }

    if(tempval>=200)

    {

      digitalWrite(motor,LOW);

      digitalWrite(buzzer,LOW);

    }

    else

    {

      digitalWrite(motor,HIGH);

      digitalWrite(buzzer,HIGH);

    }

  }
```

Circuit: