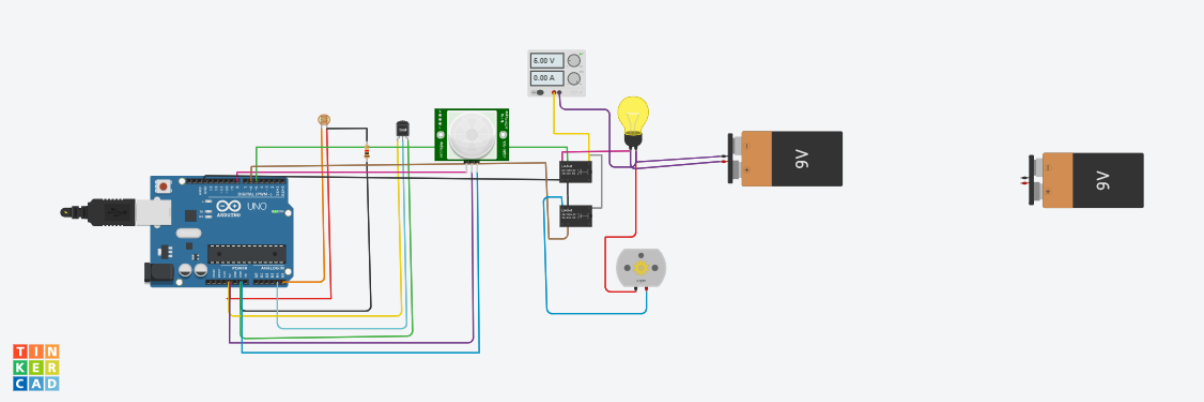
Assignment -1

Assignment Date	19 September 2022
Student Name	Mrs.G.S.Veboosita
Student Roll Number	910619104099
Maximum Marks	2 Marks

Question-1:

```
float x,y,z,temp;
void setup()
{
  pinMode(8, INPUT);
  pinMode(5, OUTPUT);
  pinMode(6, OUTPUT);
  pinMode(A5, INPUT);
  pinMode(A4, INPUT);
Serial.begin(9600);
}
void loop()
{
  x= digitalRead(8);
  y= analogRead(A5);
  z= analogRead(A4);
  Serial.println(x);
  Serial.println(y);
  Serial.println(z);
  temp = (double)z / 1024;
  temp = temp * 5;
  temp = temp - 0.5;
  temp = temp * 100;
  if ( (x>0) )
  {
    if ((y<550)&&(temp>30))
```

```
  {
    digitalWrite(5, HIGH);
    digitalWrite(6, HIGH);
  }
  else if((y<550)&&(temp<30))
  {
    digitalWrite(5, HIGH);
    digitalWrite(6, LOW);
  }
  else if((y>550)&&(temp>30))
  {
    digitalWrite(5, LOW);
    digitalWrite(6, HIGH);
  }
  else if((y>550)&&(temp<30))
  {
    digitalWrite(5, LOW);
    digitalWrite(6, LOW);
  }
 }
 else
 {
  digitalWrite(5, LOW);
  digitalWrite(6, LOW);
 }
}
```



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