

Assignment - 1

Python Programming

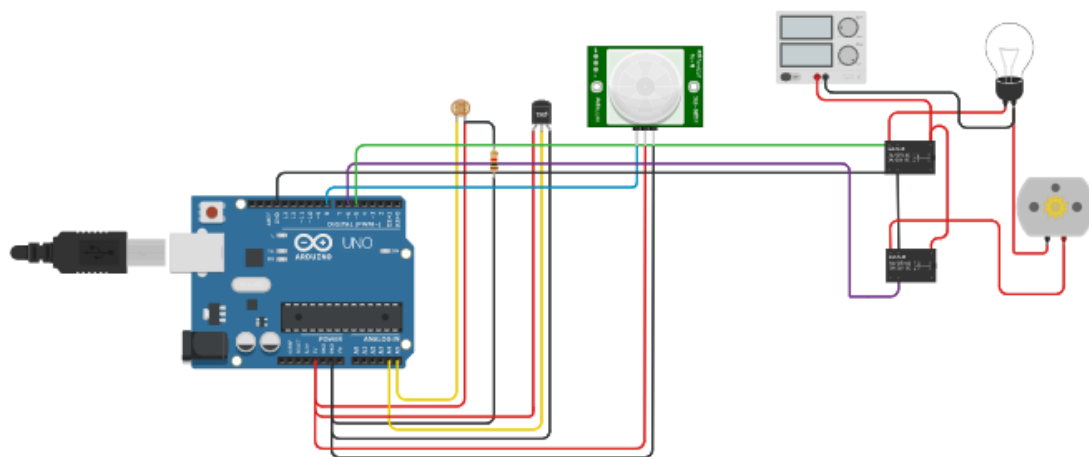
Assignment Date	19 September 2022
Student Name	Ms.L.Rabiya
Student Roll Number	821919104020
Maximum Marks	2 Marks

Question-1:

Make a Smart Home in Tinkercad using 2+sensors , Led , Buzzer in single code and circuit.

Solution:

Circuit Diagram:



Schematic View:

```
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);  
}
```