

ASSIGNMENT-1

Team Id: PNT2022TMID39426

Assignment date	17 September 2022
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Maximum marks	2 marks

QUESTION-1

Make a smart home with 2-3 sensors, Buzzer. In a single code and connections.

Coding:

```
int LightSensorVal = 0;
```

```
int PIRSensorVal = 0;
```

```
int RelayOutputVal = 0;
```

```
void setup()
```

```
{  
  pinMode(A0, INPUT);  
  pinMode(2, INPUT);  
  pinMode(8, OUTPUT);  
  Serial.begin(9600);  
}
```

```
void loop()
```

```
{  
  LightSensorVal = analogRead(A0);
```

```

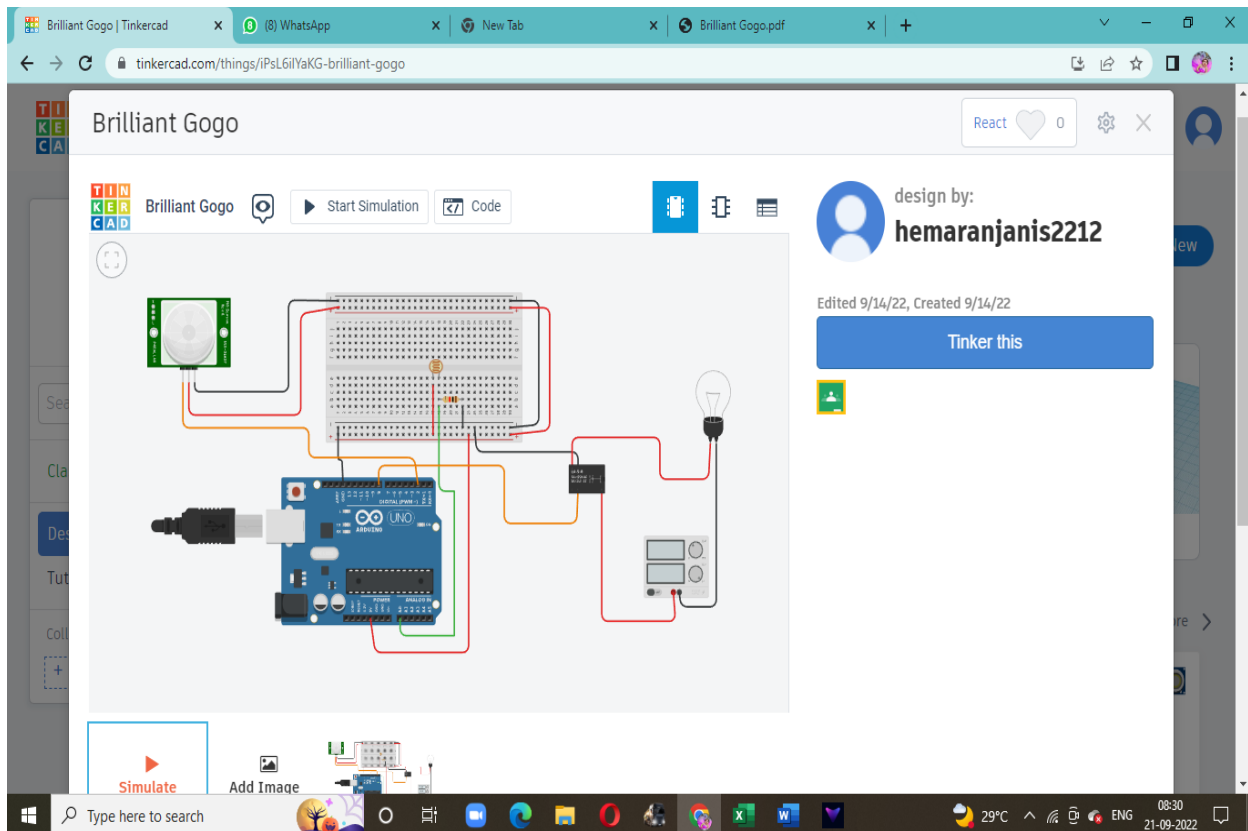
PIRSensorVal = digitalRead(2);

RelayOutputVal = 8;

if (LightSensorVal < 600)
{
  if (PIRSensorVal == HIGH)
  {
    digitalWrite(8, HIGH);
    delay(5000);
  }
}
}

```

Design:



Design link:

<https://www.tinkercad.com/things/iPsL6ilYaKG-brilliant-gogo>

Output with simulation:

