

Assignment -1

Assignment Date	18 September 2022
Student Name	Mr.W.Stephenraj
Student Roll Number	821919104027
Maximum Marks	2 Marks

Question-1:

Make a Smart Home in tinkercad,Using 2+ sensor,LED,Buzzer in Single code and Circuit

Solution:

```
float a,b ;
```

```
int pir=9;
```

```
int relay=5;
```

```
void setup ()
```

```
{
```

```
pinMode( pir, INPUT);
```

```
pinMode( relay, OUTPUT);
```

```
pinMode( A0, INPUT);
```

```
Serial.begin(9600);
```

```
}
```

```
void loop ()
```

```
{
```

```
a= digitalRead(pir);
```

```
b= analogRead(A0);
```

```
Serial.println(a);
```

```
Serial.println(b);
```

```
if ( (a>0) && (b<550))
```

```
{
```

```
    digitalWrite(relay, HIGH);
```

```
    delay (5000);
```

```
}
```

```
else
```

```
    digitalWrite(5, 0);
```

```
}
```

Circuit Diagram:



