

Assignment -1

Assignment Date	13 September 2022
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Question :

Build a smart home in Thinkercad with 2 sensors, an Led, buzzer and submit it.

CODE:

```
#include<Servo.h>
```

```
Servo S;
```

```
void setup()
```

```
{
```

```
  pinMode(13,OUTPUT);
```

```
  pinMode(7,INPUT);
```

```
  S.attach(9);
```

```
}
```

```
void loop()
```

```
{
```

```
  int a = digitalRead(7);
```

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

```
  if(a==HIGH)
```

```
{
```

```
digitalWrite(13,HIGH);  
  
S.write(160);  
  
delay(50);  
  
}  
  
else if (a==LOW)  
{  
digitalWrite(13,LOW);  
  
S.write(0);  
  
delay(50);  
  
}  
  
}}OUTPUT:
```

