

IBM ASSIGNMENT 01

Assignment date	19 september 2022
Student name	Ranjani M
Student roll number	73771913157
Maximum marks	2 marks

Question-1:

smart home automation designs provide an unprecedented level of comfort and convenience in Melbourne homes, delivering you a personalised and innovative room experience.

Solution:

```
#include <Servo.h>

Servo myservo;

int led=6;

int pir=2;

void setup()
{
  Serial.begin(9600);
  pinMode(pir,INPUT);
  pinMode(led,OUTPUT);
  myservo.attach(9);
}

void loop()
{
  int val=digitalRead(pir);

  Serial.println(val);

  if(val==HIGH)
```

```
{  
  digitalWrite(led,HIGH);  
  myservo.write(70);  
}  
else  
{  
  digitalWrite(led,LOW);  
  myservo.write(10);  
}  
}
```

OUTPUT :



