IBM ASSIGNMENT 01

Assignment date	19 september 2022
Student name	Sabitha V
Student roll number	73771913161
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 :