

IBM ASSIGNMENT 01

Assignment date	19 september 2022
Student name	Aarthi K
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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 :

