

IBM ASSIGNMENT 01

Assignment date	19 september 2022
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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 :



