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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 :

Components
Basic

Search

Resistor

LED

Pushbutton

Potentiometer

Capacitor

Slideswitch

9V Battery

Coin Cell 3V
Battery

1.5V Battery

Activate Windows