

```
/*
```

```
PUT YOUR INTRODUCTORY COMMENTS HERE
```

```
*/
```

```
#include <Servo.h>    // Almost every line of code should have a proper comment
```

```
const int knockSensor = A0;  
const int servoPin = 9;  
const int threshold = 50;  
const int angle1 = 20;  
const int angle2 = 80;
```

```
Servo servo1;
```

```
int sensorReading = 0;  
int angle = angle2;
```

```
void setup() {  
  servo1.attach(servoPin);  
  servo1.write(angle1);  
  delay(1000);  
}
```

```
void loop() {  
  sensorReading = analogRead(knockSensor);  
  if (sensorReading >= threshold) {  
    servo1.write(angle);  
    if (angle > angle1) {  
      angle = angle1;  
    }  
    else {  
      angle = angle2;  
    }  
    delay(1500);  
  }  
  delay(50);  
}
```