

```
#include <Servo.h>
```

```
Servo myservo;
```

```
int pos = 0;
```

```
void setup() {  
  myservo.attach(9);  
}
```

```
void loop() {  
  for (pos = 45; pos <= 90; pos += 5) {  
    myservo.write(pos);  
    delay(20);  
  }  
  for (pos = 90; pos >= 45; pos -= 4  
  
  ) {  
    myservo.write(pos);  
    delay(20);  
  }  
}
```