```
#include <Servo.h>

Int V_Distance = 0;

Servo servo_6;

Long readUltrasonicDistance(int triggerPin, int echoPin)
{
  pinMode(triggerPin, OUTPUT);  // Clear the trigger
  digitalWrite(triggerPin, LOW);
  delayMicroseconds(2);
  // Sets the trigger pin to HIGH state for 10 microseconds
  digitalWrite(triggerPin, HIGH);
  delayMicroseconds(10);
  digitalWrite(triggerPin, LOW);
  pinMode(echoPin, INPUT);
  // Reads the echo pin, and returns the sound wave travel time in microseconds
  Return pulseIn(echoPin, HIGH);
}

Void setup()
{
  Servo_6.attach(6, 500, 2500);
}

Void loop()
{
  Servo_6.write(90);
  V_Distance = 0.01723 * readUltrasonicDistance(7, 7);
```

```
  If (V_Distance <= 100) {
    Servo_6.write(18);
    Delay(2000); // Wait for 2000 millisecond(s)
    Servo_6.write(90);
  }
  Servo_6.write(90);
}
```