```
/*
    This program is to test Servomotor interfacing with Arduino

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    Connect VCC (Red Pin) of Servomotorto +5V of Arduino board
    Connect GND (Brown Pin) of Servomotorto GND of Arduino board
    Connect out (Orange) Pin of Servomotor to Digital pin 9 of Arduino
board

    Upload the code and check in Serial Monitor.
*/

#include <Servo.h>

Servo myservo;  // create servo object to control a servo

int pos = 0;    // variable to store the servo position

void setup() {
  myservo.attach(9);  // attaches the servo on pin 9 to the servo object
}

void loop()
{
  for (pos = 0; pos <= 180; pos += 1) // goes from 0 degrees to 180
degrees
  {
    myservo.write(pos);              // tell servo to go to position in
variable 'pos'
    delay(15);                       // waits 15ms for the servo to
reach the position
  }
  for (pos = 180; pos >= 0; pos -= 1) // goes from 180 degrees to 0
degrees
  {
    myservo.write(pos);              // tell servo to go to position in
variable 'pos'
    delay(15);                       // waits 15ms for the servo to reach
the position
  }
}
```