SERVO MOTOR INTERFACING WITHN ARDUINO

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This program is to test Servomotor interfacing with Arduino

Connect VCC (Red Pin) of Servomotorto +5V of Arduino board

Connect GND of Servomotorto GND of Arduino board

Connect OUT 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

}

}