```
// Adafruit Motor shield library
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#include <AFMotor.h>

// Connect a stepper motor with 48 steps per revolution (7.5 degree)
// to motor port #1 (M1 and M2)
AF_Stepper motor(48, 1);

void setup() {
  Serial.begin(9600);         // set up Serial library at 9600 bps
  Serial.println("Stepper test!");

  motor.setSpeed(10);  // 10 rpm
}

void loop() {
  Serial.println("Single coil steps");
  motor.step(100, FORWARD, SINGLE);
  motor.step(100, BACKWARD, SINGLE);

}
```