```
#define stepPin 2
#define dirPin 3
#define enablePin 4

void setup()
{
  // We set the enable pin to be an output
  pinMode(enablePin, OUTPUT);
  // then we set it HIGH so that the board is disabled until we
  // get into a known state.
  digitalWrite(enablePin, HIGH);

  Serial.begin(9600);
  Serial.println("Starting stepper exerciser.");

  pinMode(stepPin, OUTPUT);
  pinMode(dirPin, OUTPUT);
}

void loop()
{
int j;
// set the enablePin low so that we can now use our stepper driver.
digitalWrite(enablePin, LOW);
// wait a few microseconds for the enable to take effect
// (That isn't in the spec sheet I just added it for sanity.)
delayMicroseconds(2);
// we set the direction pin in an arbitrary direction.
digitalWrite(dirPin, HIGH);

for(j=0; j<=10000; j++) {
        digitalWrite(stepPin, LOW);
        delayMicroseconds(2);
        digitalWrite(stepPin, HIGH);
        delayMicroseconds(1000);
}
}
```