*int PUL=7; //define Pulse pin*

*int DIR=6; //define Direction pin*

*int ENA=5; //define Enable Pin*

*void setup() {*

*pinMode (PUL, OUTPUT);*

*pinMode (DIR, OUTPUT);*

*pinMode (ENA, OUTPUT);*

*}*

*void loop() {*

*for (int i=0; i<6400; i++) //Forward 5000 steps*

*{*

*digitalWrite(DIR,LOW);*

*digitalWrite(ENA,HIGH);*

*digitalWrite(PUL,HIGH);*

*delayMicroseconds(50);*

*digitalWrite(PUL,LOW);*

*delayMicroseconds(50);*

*}*

*for (int i=0; i<6400; i++) //Backward 5000 steps*

*{*

*digitalWrite(DIR,HIGH);*

*digitalWrite(ENA,HIGH);*

*digitalWrite(PUL,HIGH);*

*delayMicroseconds(50);*

*digitalWrite(PUL,LOW);*

*delayMicroseconds(50);*

*}*

*}*