#include <SoftwareSerial.h>

#include <Stepper.h>

#define pinRx\_BT 2 //10

#define pinTx\_BT 3 //11

String readvoice;

SoftwareSerial serialBT(pinRx\_BT,pinTx\_BT);

const int stepsPerRevolution = 60;

Stepper myStepper = Stepper(stepsPerRevolution, 8, 10, 9, 11);

void setup() {

serialBT.begin(9600);

Serial.begin(9600);

}

//-----------------------------------------------------------------------//

void loop() {

while (serialBT.available()){

char c = serialBT.read();

readvoice += c;

}

Serial.println(readvoice);

if (readvoice.length() == 2 || readvoice.length() == 4) {

Serial.println(readvoice);

if(readvoice == "up"){

myStepper.setSpeed(200);

myStepper.step(stepsPerRevolution);

}

else if(readvoice == "down"){

myStepper.setSpeed(200);

myStepper.step(-stepsPerRevolution);

}

else if(readvoice != "up" || readvoice != "down"){

readvoice="";

}

}

else if(readvoice.length() > 4){

readvoice="";

}

}