#include <SoftwareSerial.h>

SoftwareSerial mySerial(3, 2); //rx,tx

int data;

void setup() {

// put your setup code here, to run once:

Serial.begin(9600);

mySerial.begin(9600);

pinMode(5, OUTPUT);

pinMode(6, OUTPUT);

pinMode(9, OUTPUT);

pinMode(10, OUTPUT);

digitalWrite(5, LOW);

digitalWrite(6, LOW);

digitalWrite(9, LOW);

digitalWrite(10, LOW);

}

void loop() {

// put your main code here, to run repeatedly:

if (mySerial.available()) {

data = mySerial.read();

Serial.print("Data : ");

Serial.println(data);

}

if (data == 70) { //Forward case Bluetooth input integer= 70

analogWrite(5, 250);

analogWrite(6, 0);

analogWrite(9, 250);

analogWrite(10, 0);

}

else if (data == 66) { //Backward case Bluetooth input integer=66

analogWrite(5,0);

analogWrite(6,250);

analogWrite(9,0);

analogWrite(10,250);

}

else if (data == 76 ) { //Left case Bluetooth input integer =76

analogWrite(5,250);

analogWrite(6,0);

analogWrite(9,0);

analogWrite(10,125);

}

else if (data == 82) {//Right case Bluetooth input integer =82

analogWrite(5,0);

analogWrite(6,125);

analogWrite(9,250);

analogWrite(10,0);

}

else if (data == 71) { //Forward and Left case Bluetooth input integer=71

analogWrite(5,250);

analogWrite(6,0);

analogWrite(9,0);

analogWrite(10,0);

}

else if (data == 73 ) { //Forward and Right case Bluetooth input integer =73

analogWrite(5,0);

analogWrite(6,0);

analogWrite(9,250);

analogWrite(10,0);

}

else if (data==83){

analogWrite(5, 0);

analogWrite(6, 0);

analogWrite(9, 0);

analogWrite(10, 0);

}

}