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//This program is the Arduino side of the project Robo_Car.
#include<Servo.h>

Servo armServo;
Servo tweezerServo;
void setup() {
 Serial.begin(115200);
 pinMode(13,OUTPUT);
 armServo.attach(5);
 armServo.write(150);
 tweezerServo.attach(6);
 tweezerServo.write(0);

  pinMode(7,OUTPUT);
  pinMode(4,OUTPUT);
  pinMode(2,OUTPUT);
  pinMode(3,OUTPUT);
  digitalWrite(7,LOW);
  digitalWrite(4,LOW);
  digitalWrite(2,LOW);
  digitalWrite(3,LOW);
}

void loop() {
  char ch=Serial.read();
  if(ch=='a')
  {
    if(armServo.read()<=155){
            armServo.write(armServo.read()+ 5);
           }

  }
  else if(ch=='b')
  {
    if(armServo.read()>=93){
            armServo.write(armServo.read()- 5);
     }

  }
  else if(ch=='c')
  {
    if(tweezerServo.read()<=85){
             tweezerServo.write(tweezerServo.read()+5) ;
           }
  }
  else if(ch=='d')
  {
    if(tweezerServo.read()>=5){
             tweezerServo.write(tweezerServo.read()-5) ;
```

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   }
 }
 else if(ch=='e')
 {
  digitalWrite(4,HIGH);
    digitalWrite(7,LOW);

    digitalWrite(2,HIGH);
    digitalWrite(3,LOW);
 }
  else if(ch=='f')
 {
   digitalWrite(4,LOW);
    digitalWrite(7,HIGH);

    digitalWrite(2,LOW);
    digitalWrite(3,HIGH);
 }
  else if(ch=='g')
 {
  digitalWrite(4,HIGH);
    digitalWrite(7,LOW);

    digitalWrite(2,LOW);
    digitalWrite(3,LOW);
 }
  else if(ch=='h')
 {
   digitalWrite(4,LOW);
    digitalWrite(7,LOW);

    digitalWrite(2,HIGH);
    digitalWrite(3,LOW);
 }
 else if(ch=='i')
 {
    digitalWrite(7,LOW);
    digitalWrite(4,LOW);

    digitalWrite(2,LOW);
    digitalWrite(3,LOW);
 }

 Serial.flush();
 delay(10);
}
```