```
char val;
//////////////////////
int motorAPin_1 = 6; //
int motorAPin_2 = 7; //
//////////////////////
int motorBPin_1 = 4; //
int motorBPin_2 = 5; //
//////////////////////
int RELAY1 = 8;
int RELAY2 = 9;
//////////////////////
int led_pin =13;

int sensor_pin =10;

void setup() {
  pinMode(motorAPin_1, OUTPUT);
  pinMode(motorAPin_2, OUTPUT);

  pinMode(motorBPin_1, OUTPUT);
  pinMode(motorBPin_2, OUTPUT);

  pinMode(RELAY1, OUTPUT);
  pinMode(RELAY2, OUTPUT);

  pinMode(led_pin, OUTPUT);
```

```
 pinMode(sensor_pin, INPUT);
 Serial.begin(9600);
}

void loop() {
digitalWrite(RELAY2, LOW);
 if(digitalRead(sensor_pin) == HIGH){

   digitalWrite(led_pin, HIGH);
   digitalWrite(RELAY1, LOW);



 } else {

   digitalWrite(led_pin, LOW);
   digitalWrite(RELAY1, HIGH);

 }
if( Serial.available() >0 ) {
   val = Serial.read();
   Serial.println(val);
}

 if( val == '1' ) {
 digitalWrite(motorAPin_1, HIGH);
```

```
digitalWrite(motorAPin_2, LOW);  ///MUNDUR///
digitalWrite(motorBPin_1, HIGH);
digitalWrite(motorBPin_2, LOW);
}
else if( val == '2' ) {
digitalWrite(motorAPin_1, LOW);
digitalWrite(motorAPin_2, HIGH);  ///MAJU///
digitalWrite(motorBPin_1, LOW);
digitalWrite(motorBPin_2, HIGH);
}
else if( val == '3' ) {
digitalWrite(motorAPin_1, LOW);
digitalWrite(motorAPin_2, HIGH);  ///KANAN///
digitalWrite(motorBPin_1, HIGH);
digitalWrite(motorBPin_2, LOW);
}
else if( val == '4' ) {
digitalWrite(motorBPin_1, LOW);
digitalWrite(motorBPin_2, HIGH);  ///KIRI///
digitalWrite(motorAPin_1, HIGH);
digitalWrite(motorAPin_2, LOW);
}
else if( val == '6' ) {
digitalWrite(motorBPin_1, LOW);
digitalWrite(motorBPin_2, LOW);  ///STOP///
digitalWrite(motorAPin_1, LOW);
```

```
  digitalWrite(motorAPin_2, LOW);
  }

}
```