```
#include <SoftwareSerial.h>

SoftwareSerial BT(1, 0); //TX,RX PINS OF A BLUETOOTH CONNECTED TO THE ARDUINO UNO R3

String readvoice;

int RF = 2;// IN1 (this is connected from the motor driver L298 to arduino uno r3)
int RB = 3;// IN2 (this is connected from the motor driver L298 to arduino uno r3)
int LF = 4;// IN3 (this is connected from the motor driver L298 to arduino uno r3)
int LB = 5;// IN4 (this is connected from the motor driver L298 to arduino uno r3)
int LED = 6;// led is connected to this pin

void setup() {

  BT.begin(9600);

  Serial.begin(9600);

  pinMode(RF, OUTPUT);
  pinMode(RB, OUTPUT);
  pinMode(LF, OUTPUT);
  pinMode(LB, OUTPUT);
  pinMode(LED,OUTPUT);

}
```

```
void loop() {


  while (BT.available()) {
    delay(10);
    char c = BT.read();
    readvoice += c;


  } if(readvoice.length()>0){
    Serial.println(readvoice);


    if(readvoice == "forward"){


      digitalWrite(RF, 1); // here the forward motor moves
      digitalWrite(LF, 1); // here the left forward motor moves
      digitalWrite(RB, 0);
      digitalWrite(LB, 0);
      delay(100);
    } else if(readvoice == "back"){


      digitalWrite(RF, 0);
      digitalWrite(LF, 0);
      digitalWrite(RB, 1); // right back motor moves back
      digitalWrite(LB, 1); // left back motor moves back
      delay(100);
```

```
} else if(readvoice == "right"){


  digitalWrite(RF, 0);
  digitalWrite(LF, 1);
  digitalWrite(RB, 0);
  digitalWrite(LB, 0);
  delay(100);
} else if(readvoice == "left"){


  digitalWrite(RF, 1); // right forward motor starts to move
  digitalWrite(LF, 0);
  digitalWrite(RB, 0);
  digitalWrite(LB, 0);
  delay(100);
} else if(readvoice == "stop"){


  digitalWrite(RF, 0);
  digitalWrite(LF, 0);
  digitalWrite(RB, 0);
  digitalWrite(LB, 0);
  delay(100);
} else if(readvoice == "off"){


  digitalWrite(RF, 0);
  digitalWrite(LF, 0);
  digitalWrite(RB, 0);
  digitalWrite(LB, 0);
```

```
   delay(100);
  } else if(readvoice == "hey siva ready"){
  digitalWrite(RF, 1);
  digitalWrite(LF, 1);
  digitalWrite(RB, 0);
  digitalWrite(LB, 0);
  delay(600);


  digitalWrite(RF, 0);
  digitalWrite(LF, 0);
  digitalWrite(RB, 1);
  digitalWrite(LB, 1);
  delay(600);


  digitalWrite(RF, 0);
  digitalWrite(LF, 0);
  digitalWrite(RB, 0);
  digitalWrite(LB, 0);
  delay(100);
 } else if(readvoice == "activate the dlrl"){
  digitalWrite(LED,1);
  delay(1000);
 } else if(readvoice == "deactivate the dlrl"){
  digitalWrite(LED,0);
  delay(1000);
 }readvoice = "";}}
```