void setup() /\* TNC WORKSHOPE Task 5 basic lfr code \*/

{

/\* MOTORS \*/

pinMode(6,OUTPUT);// LEFT MOTOR

pinMode(7,OUTPUT);// LEFT MOTOR

pinMode(8,OUTPUT);// RIGHT MOTOR

pinMode(9,OUTPUT);// RIGHT MOTOR

/\* SENSORS \*/

pinMode(3,INPUT);// LEFT SENSOR

pinMode(4,INPUT);// RIGHT SENSOR

Serial.begin(9600);

}

void loop()

{

int L=digitalRead(3);// LEFT SENSOR

int R=digitalRead(4);// RIGHT SENSOR

Serial.println(L);

if((L=HIGH) && (R=HIGH)) //FORWARD

{

digitalWrite(6,LOW);

digitalWrite(7,HIGH);

digitalWrite(8,LOW);

digitalWrite(9,HIGH);

}

else if((L=LOW) && (R=HIGH))//LEFT

{

digitalWrite(6,LOW);

digitalWrite(7,LOW);

digitalWrite(8,LOW);

digitalWrite(9,HIGH);

}

else if((L=HIGH) && (R=LOW))//RIGHT

{

digitalWrite(6,LOW);

digitalWrite(7,HIGH);

digitalWrite(8,LOW);

digitalWrite(9,LOW);}}