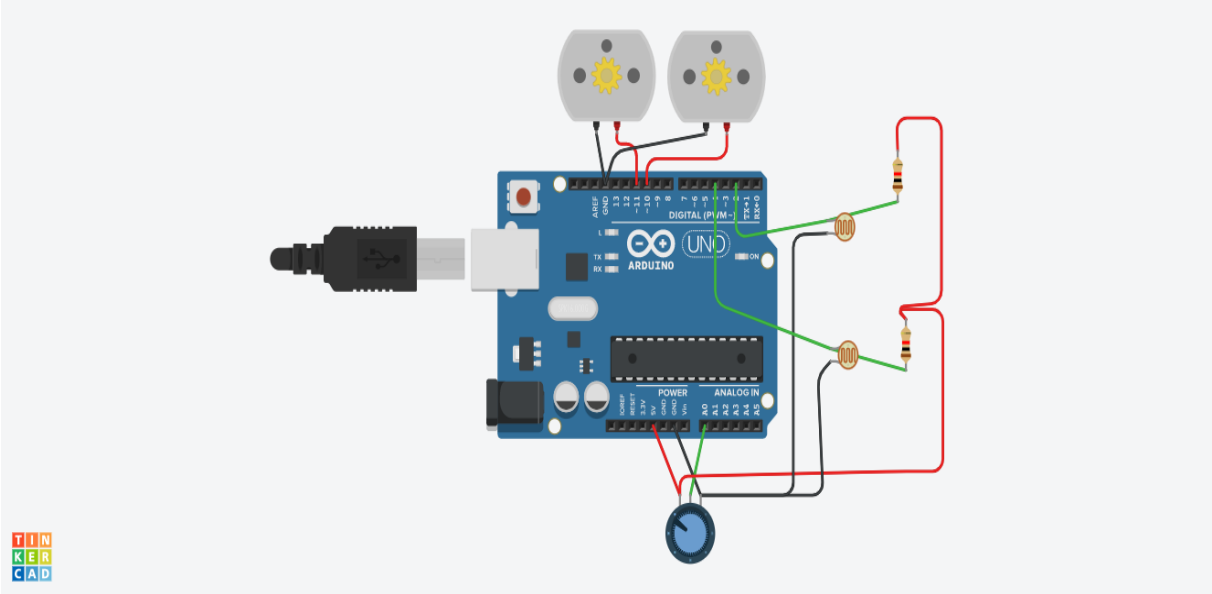


```
// C++ code
//
/*
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   Lucas Lopes
   26/10/22
   v1.0
*/

#define Motor1   11
#define Motor2   10
#define MotorLeft 11 //define as entradas e saidas
#define MotorRight 10
#define SensorLeft 2
#define SensorRight 4
#define Velocidade A0

int VelocMax; // criei uma variavel
int SaidaVeloc;
```

```
void setup()
{
  pinMode (MotorLeft, OUTPUT); //inicia entradas
  pinMode (MotorRight, OUTPUT);
  pinMode (SensorLeft, INPUT);
  pinMode (SensorRight, INPUT);
}

void loop()
{
  VelocMax = analogRead(Velocidade);// 0 -> 1023
  SaidaVeloc = map (VelocMax,0,1023,0,255);//
  if (digitalRead(SensorLeft)==1) analogWrite (MotorLeft,SaidaVeloc);
else analogWrite (MotorLeft,0);
  VelocMax = analogRead(Velocidade);
  SaidaVeloc = map (VelocMax,0,1023,0,255);
  if (digitalRead(SensorRight)==1) analogWrite (MotorRight,SaidaVeloc);
else analogWrite (MotorRight,0);

}
```