

```
//Arduino PWM Code :

//M1: Direction for Motor1

//M2: Direction for Motor2

//E1: PWM control for Motor1

//E2: PWM control for Motor2

int E1 = 5;
int M1 = 4;
int E2 = 6;
int M2 = 7;

void setup()
{
  pinMode(M1, OUTPUT);
  pinMode(M2, OUTPUT);
}

void loop()
{
  int value;
  for(value = 0 ; value <= 255; value+=5)
  {
    digitalWrite(M1,HIGH);
    digitalWrite(M2, HIGH);
    analogWrite(E1, value); //PWM Speed control
    analogWrite(E2, value); //PWM Speed control
    delay(30);
  }
}
```