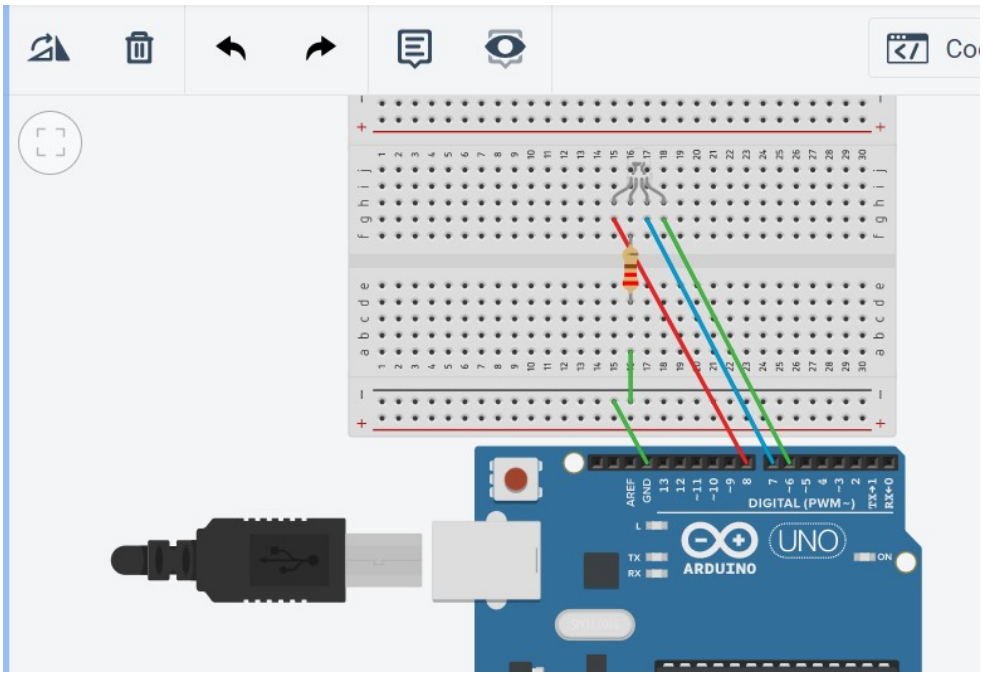
Potenziometro, PWM e if

```
#define pot A0
int led=11;
int lettura;// variabile globale
void setup()
{
  pinMode(led, OUTPUT);
  Serial.begin(9600);
}
void loop()
{
  lettura=analogRead(pot);
  Serial.println(lettura);
  if(lettura<100 && lettura>0)//&&=AND
    analogWrite(led, 10);
  if(lettura>=100 && lettura<200);
    analogWrite(led,100);
  if(lettura>=200 && lettura<500)
    analogWrite(led, 150);
  if(lettura>=500)
    analogWrite(led, 255);

}
```



RGB, array e ciclo for

```
int led[3]={6,7,8};
void setup()
{
  for(int i=0; i<3;i++)pinMode(led[i],OUTPUT);
  Serial.begin(9600);
}

void loop()
{for(int i=0;i<3;i++){
  digitalWrite(led[i],HIGH);
  delay(1000);
  digitalWrite(led[i],LOW);
```

```
  delay(1000);
  }
}
```