RGB color LED module can let LED emitting different color lights as RED,BLUE,GREEN signal input. This project will change of color assortment and make the LED flashing like rainbow.

STEP 1: connect the module to Arduino as per following graph:

Run the project and you will see the LED flashing same as following video.

CODE:

```
/* RGB module project code
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 */
int redpin = 11; //select the pin for the red LED
int bluepin =10; // select the pin for the    blue LED
int greenpin =9;// select the pin for the green LED

int val;

void setup() {
   pinMode(redpin, OUTPUT);
   pinMode(bluepin, OUTPUT);
   pinMode(greenpin, OUTPUT);
   Serial.begin(9600);
}

void loop()
```

```
{
for(val=255; val>0; val--)
   {
     analogWrite(11, val);
     analogWrite(10, 255-val);
     analogWrite(9, 128-val);
     delay(1);
   }
for(val=0; val<255; val++)
   {
     analogWrite(11, val);
     analogWrite(10, 255-val);
     analogWrite(9, 128-val);
     delay(1);
   }
  Serial.println(val, DEC);
}
```