LED Fading through AVR-GCC

Contents

Abstract—**This manual shows how to change the brightness of an led using AVR-GCC.**

1 Components

1) Arduino board
2) LED
3) Breadboard
4) Wires

2 Fade

1) Install **subversion**

```
sudo apt update
sudo apt install subversion
```

2) Go to your working directory and download the folder titled **codes** using the following command.

```
Arduino/AVR_GCC/LEDfade/Codes
```

3) Connect your arduino to the computer and open a terminal.
4) Open a terminal and go to the **codes** directory. Type **make**. The built in led on the arduino should be blinking.
5) If you open **main.c** in **geany**, you can execute the code by **Shift+F9**.
6) Now you can see the variation in brightness of led.