AVR-Assembly Setup

G V V Sharma*

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Abstract—This manual shows how to setup the assembly programming environment for the arduino.

1 COMPONENTS

The components required for this manual are listed in Table 1.0.

Component	Value	Quantity
Arduino	UNO	1

TABLE 1.0

2 SOFTWARE INSTALLATION

1.
```
sudo apt-get install avra
    avrdude geany
```

2. Find the USB port to which arduino is connected.
```
%Finding the port

sudo dmesg | grep tty
%The output will be something
    like
[    6.153362] cdc_acm
    1-1.2:1.0: ttyACM0: USB ACM
    device
%and your port number is ttyACM0
```

```
wget https://raw.
    githubusercontent.com/gadepall
    /arduino/master/assembly/setup
    /m328Pdef/m328Pdef.inc
```

*The author is with the Department of Electrical Engineering, Indian Institute of Technology, Hyderabad 502285 India e-mail: gadepall@iith.ac.in. All content in this manual is released under GNU GPL. Free and open source.