

AVR-GCC Assignment

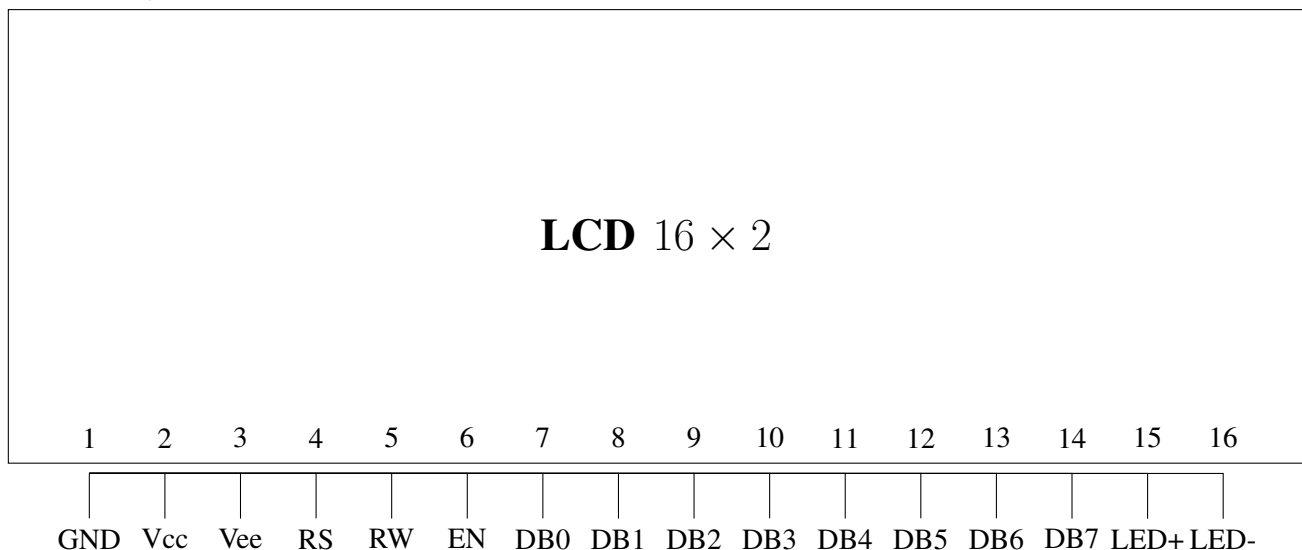
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Abstract—design a sequential circuit modulo 5 counter and Display it on LCD Display.

I. COMPONENTS NEEDED

Component	Value	Quantity
Arduino	Uno	1
Bread board	-	1
Jumper wires	M-M	20
Liquid Crystal Display	-	1

II. LIQUID CRYSTAL DISPLAY LAYOUT



III. STEPS TO BE FOLLOWED:

Step 1: Plug the LCD Display on the Breadboard.

Step 2: Connect the LCD Display And Arduino as per the table given below.

Step 3: Download the code from the link given below.

<https://github.com/jyothsna777/jyothsna-fwc.git>

Step 4: download the files in the above link and move to the working directory in the termux and run the command "MAKE"

A. To generate PDF file

Step :1 Type pdflatex followed by the file name.

IV. ARDUINO AND LCD DISPLAY CONNECTION

Arduino Pins	LCD Pins	LCD Pins Label
GND	1	GND
5V	2	Vcc
GND	3	Vee
D8	4	RS
GND	5	R/W
D9	6	EN
D10	11	DB4
D11	12	DB15
D12	13	DB6
D13	14	DB7
5V	15	LED+
GND	16	LED-