Seven Segment Display Control through AVR-GCC

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Abstract—This manual shows how to control a seven segment display using AVR-GCC with arduino
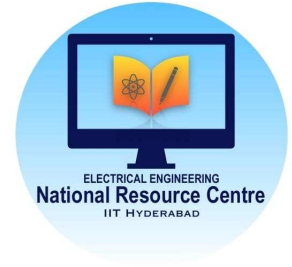
References

[1] G. V. V. Sharma. Seven Segment Display through AVR-Assembly. [Online]. Available: https://github.com/gadepall/arduino/raw/master/assembly/sevenseg/gvv_ard_assembly_sevenseg.pdf

1 Components

Component	Value	Quantity
Breadboard		1
Resistor	$\geq 220\Omega$	1
Arduino	Uno	1
Seven Segment Display	Common Anode	1
Jumper Wires		10

TABLE 0

2 Display Control

1. Connect the arduino to the seven segment display according to [1].
2. Execute the following code

```
wget https://raw.githubusercontent.com/gadepall
    /arduino/master/avr−gcc/sevenseg/codes/
    main.c
```

3. Modify the above code to generate numbers between 0-9.

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