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# Seven Segment Assignment

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## 1 ABSTRACT

This paper presents the design and implementation of a 7-segment display control system using an Arduino Uno and programmed via Termux, a Linux terminal emulator for Android devices. The system provides a portable, cost-effective solution for controlling numerical displays without the need for a traditional desktop environment.

This paper details the hardware setup, the programming of the display using the Arduino, and the configuration of Termux for seamless coding and uploading. This approach offers a practical solution for enthusiasts and students, facilitating mobile development of embedded systems.

## 2 COMPONENTS

| Component | Values | Quantity |
|---|---|---|
| Arduino | UNO | 1 |
| JumperWires | M-F | 30 |
| seven segment | common Anode | 1 |
| Bread-board | | 1 |
| Resistors | 220ohms | 1 |

Table.Components

## 3 PIN DIAGRAM
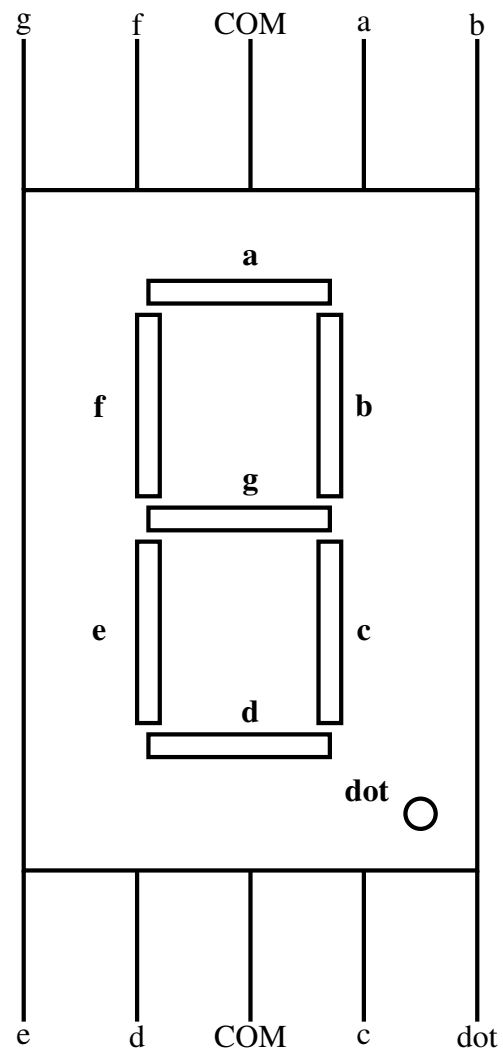
## 4 PROCEDUER

1) Make the connections between Arduino and Seven Segment as per the below Table

| Arduino | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---------|---|---|---|---|---|---|---|
| Display | a | b | c | d | e | f | g |

Table.Connections

2) Download code from the below source and execute using Arduino droid

https://github.com/Akhilathalla/Akhila/blob/main/Sevensegment/main.cpp
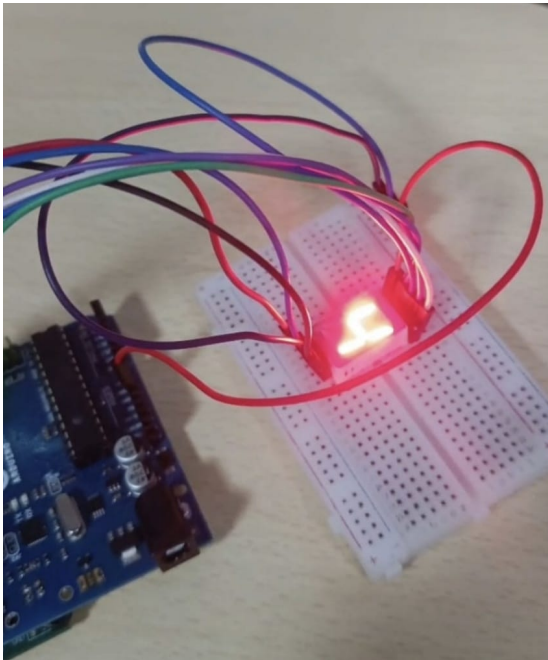
## 5 RESULT



Fig. 1.

## 6 CONCLUSION

Hence implementation of Seven segment dispaly using arduino is done.