

Digital Clock Project in C

W. G. Anushanga Pavith Thalisha

Task was to develop a digital clock that prints the current time, and date on the Linux terminal. If a color is given as an argument to the program, the program should be able to print a colored output. Also containing an error handling part.

Inputs:

Command line arguments.

- If a colour is given as an argument to the program with the '-c' flag, the program should be able to print the clock using the given colour. If no argument is given, use black and white as default.
- Supported colours are red, green, yellow, blue, magenta, cyan, white, black
- Arguments for colours should give with "-c" flag as:

```
./program -c red
```

```
./program -c green
```

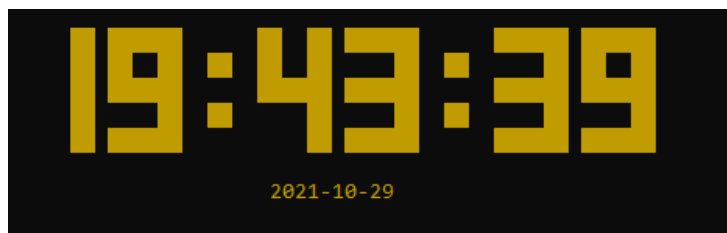
- If -h flag is given or the given arguments are invalid, program should print the usages of the program.

Output behavior

`./program`



`./program -c yellow`



`./program -h`

```
usage : clock -h          quick help on cmd
usage : clock -c <color>  print clock with a color
<color-black|red|green|yellow|blue|magenta|cyan|white> supported colors
```

`./program -c fun`

```
fun :This is not a valid color, Please enter one of these colours: black, red, green, yellow, blue, magenta, cyan, white
```

- ANSI escape codes are used in the program for controlling the terminal.
- The colours are independent on the case. (magenta, MAGENTA, Magenta, maGEntA all are accepted)
- I have done this as a mini project of programing methodology subject of my degree program.