

ASCII ART

Michael Scaria • Amro Shohoud • Karthik Bala

PROBLEM

Making simple graphics is tough.

Open GL has a steep learning curve.

Nobody likes manually printing ascii art.

SOLUTION

ARTSCII!

ARTSCII

ARTSCII empowers the user to create art through simple commands.

```
`println("++00000000000000")`  
`println("0++00000000000000")`  
`println("00++00000000000000")`  
`println("000++00000000000000")`
```

Is Equivalent to...

```
`ASCII MOVE RIGHT THEN DOWN DO 4 TIMES`
```

HOW IT WORKS

You have a cursor that marks where you are on a 2-dimensional grid.

Run commands to move the cursor around the grid, marking the path of the cursor.

Can also operate on rectangular regions.

COMMANDS

ASCII WIDTH/HEIGHT

ASCII RENDER

ASCII CHANGE_COLOR

- GREEN, BLUE, RED, YELLOW, MAGENTA, BLACK, CYAN, WHITE

ASCII MOVE (THEN)

ASCII ROTATE

COMMANDS (CONT.)

ASCII SET/UNSET

ASCII MARKER

- '@', '|', '+', '-', '0'

ASCII DO (X TIMES/IF/WHILE)

ASCII UNDO

COMMANDS (CONT.)

ASCII RESET

ASCII RESET_CURSOR

ASCII JUMP (X, Y)

ASCII RECT (WIDTH, HEIGHT)

ASCII FILL (COLOR | Char)

ASCII SELECT_RECT (WIDTH, HEIGHT) [(MOVE/FILL)] [(THEN)]

ARTWORK

Pride (~10 lines)

Smiley (~200 lines)

The End (~70 lines)

Sine Wave (~30 lines)