

Finished product

ACTIVITY & RESULT

Created a script that creates a cube for every .txt in a specific file. The cubes change size and color based on file size. Larger files will first expand on height, when a specific height is reached the base changes so that it gets wider and longer. If a file is very large i did not want to create a massive block so the color changes. Darker colors specifies the size of the files

light blue block -> KB file

Dark blue block->MB file

Purple block->GB file

Every file created are put in a row so that they can be inspected. The Floor resizes itself after the cubes dynamically so you can always walk to the last cube.

PROBLEMS & SOLUTIONS

All files must be in the specific file which can't be modified without editing the script. The file names and sizes are not presented in the program. The sizes are easily calculated with $\text{base} \times \text{height}$ but in the program you can't see the measurements.

REFLECTION

The program dynamically goes through a file, presents every .txt file in cubes in a way that enables you to watch sizes ranging up to 1TB which should be large enough for any coding project. The cubes have a given space so that they don't clip into each other. The floor also adapts to the size of the cubes so you run out of size. Teleporting is only possible on the floor which means that you can walk to any angle to get a view of the cubes without the risk of falling of the edge.

The networking has easily been the largest problem with my work. I was not able to implement it and a lot of hours went into trying to fix it. If i had more time i would also like to create a text on each cube presenting the filenames and sizes but i had no more hours to put into the program.