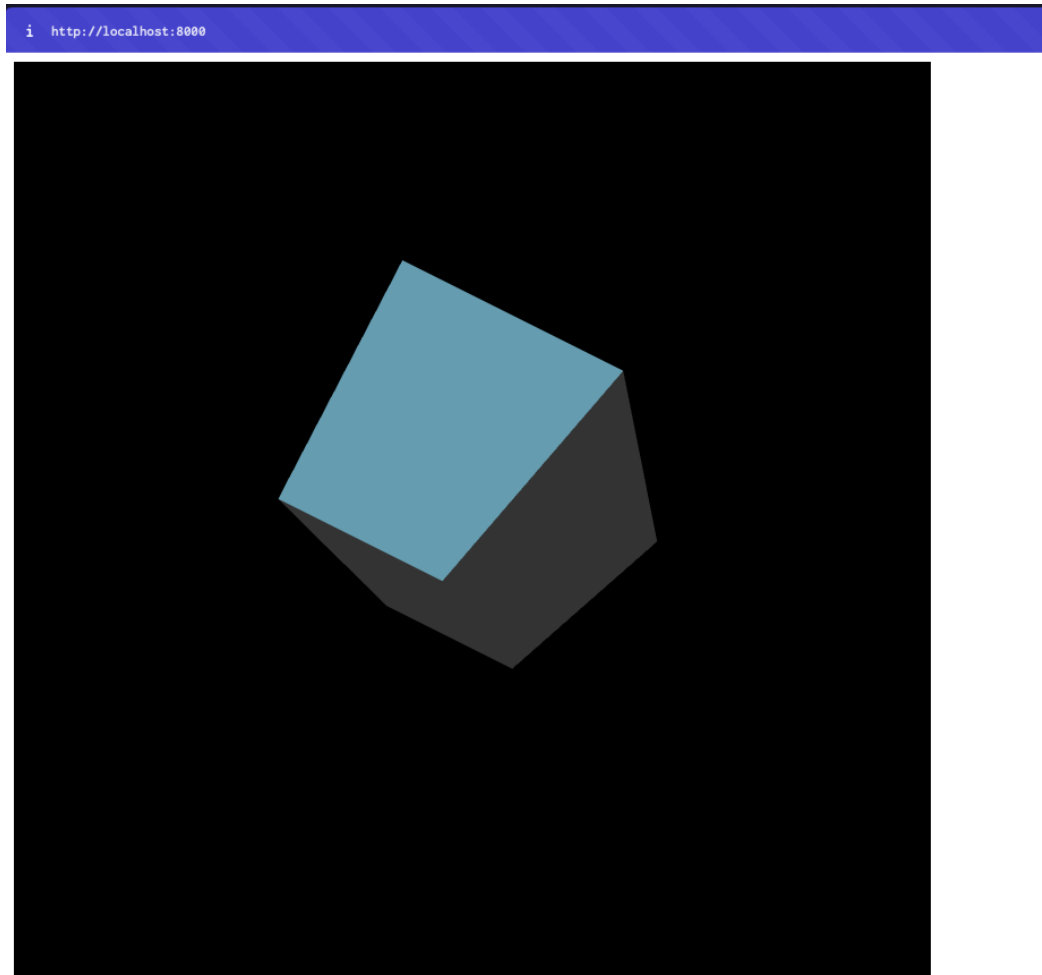


TASK1:

Picture of the cube that was generated by ChatGPT-4o:

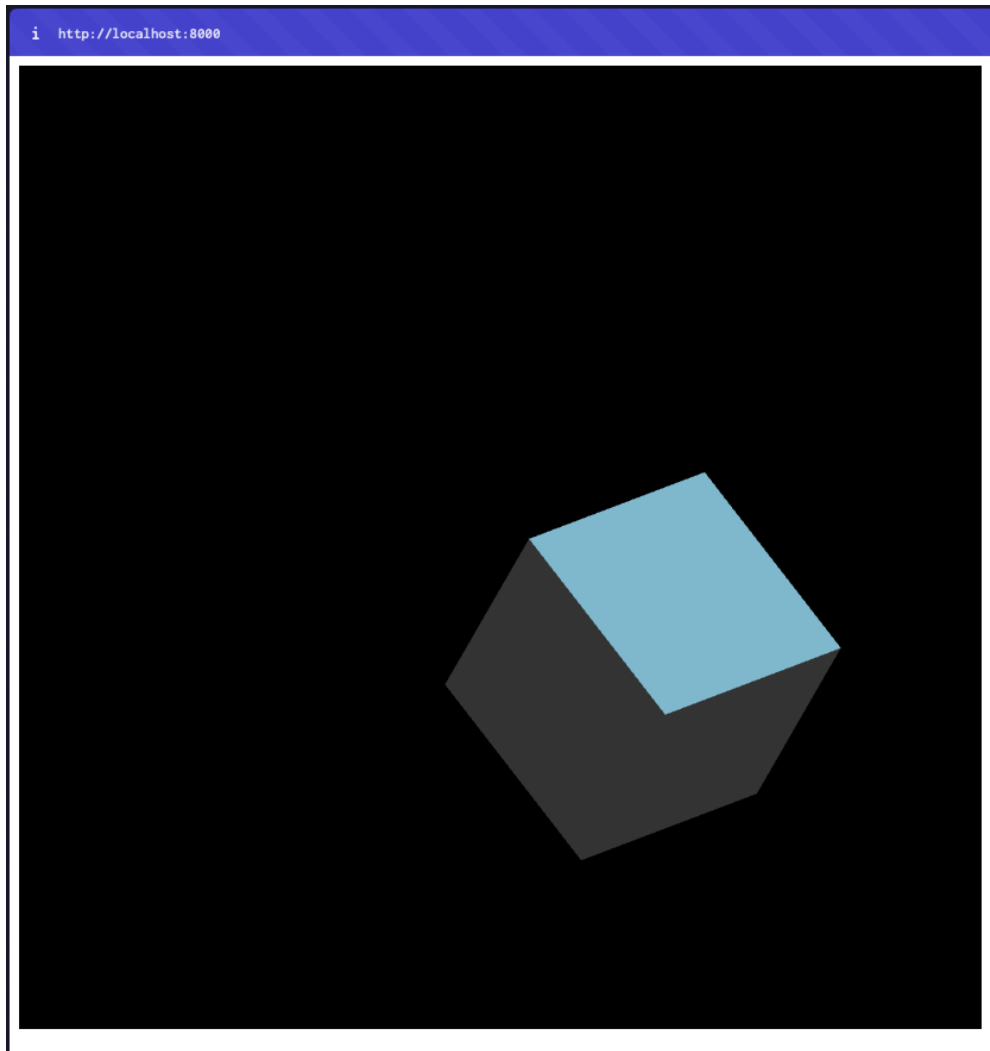


Conversation Link: <https://chatgpt.com/share/670c3423-df54-8002-855c-e1fdff2d181f>

(for both task1 and task3)

## TASK2:

Picture:



Possible reasons that this picture is more accurate than the one GPT generated might be because of 3 main reasons; Order that GPT did the calculations might be different which would result in different cubes mine was the accurate order (scaling, rotation (Z -> Y -> X), and translation). GPT might have rounded the number to some extent so they might not be totally precise, whether the ones I calculated are likely to be more precise. Last and the most likely reason could be that GPT uses Left-handed coordinate system whereas I used Right-handed coordinate system, which means mine system pointed out of the screen, GPT's system pointed into the screen which would explain the opposite

directional movement of the cube, and the difference in the shape might be due to the 2 other reasons I explained earlier.

### TASK3:

Here is my conversation with GPT about both task1 and task3:

<https://chatgpt.com/share/670c3423-df54-8002-855c-e1fdff2d181f>

General methodology for task2 was to be careful with the order of operations and inspect the methods and understand them then adding the necessary parameters to correct places. Other than that, GPT directly assisted the project very smoothly and easily also made me learn a lot.