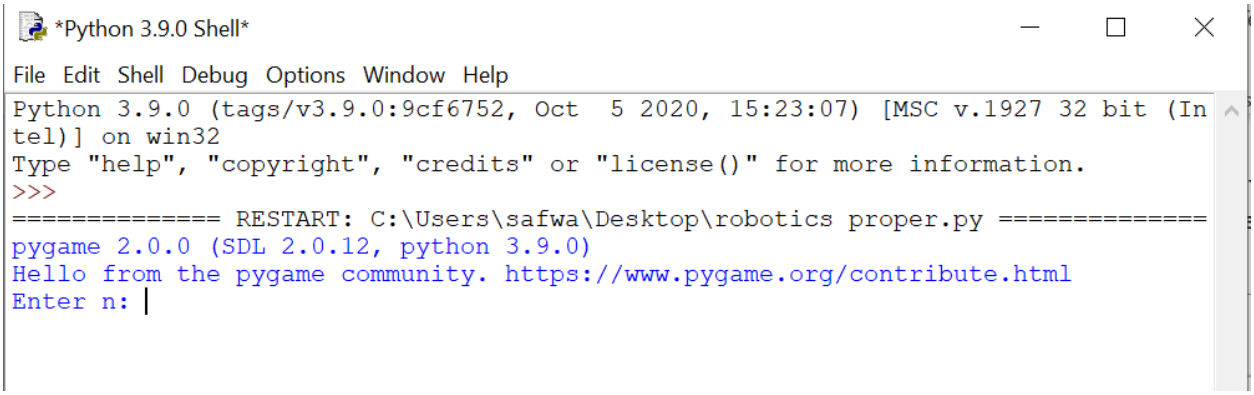
Safwan Hasan

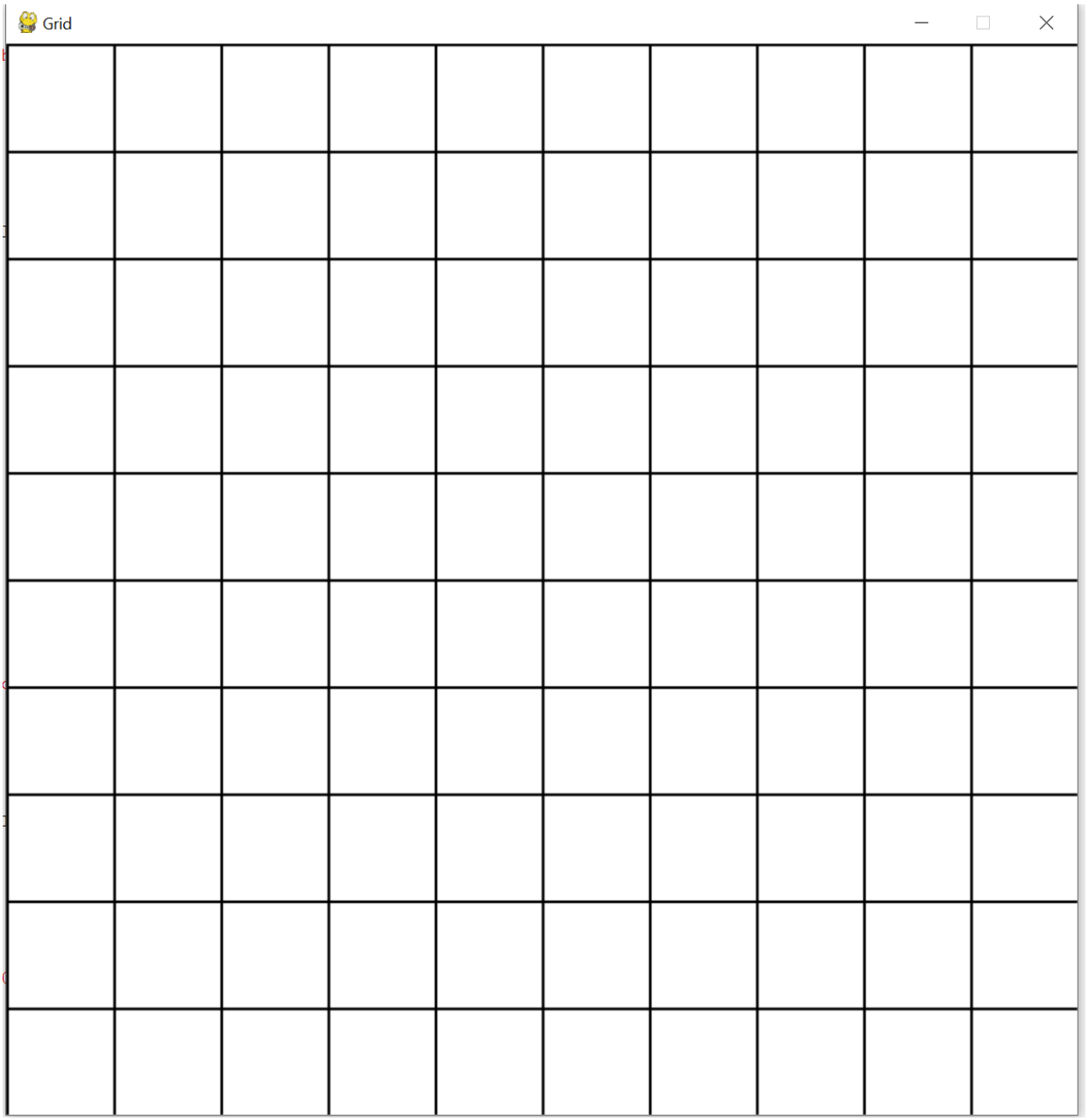
This readMe file will explain the process and limitations of this program.

At first, a grid was implemented by taking a user input that determines the size of the grid. In other words, in a nxn grid, “n” was the input. This would then be used to draw lines on the screen pygame.draw.line() function. The following was the result:



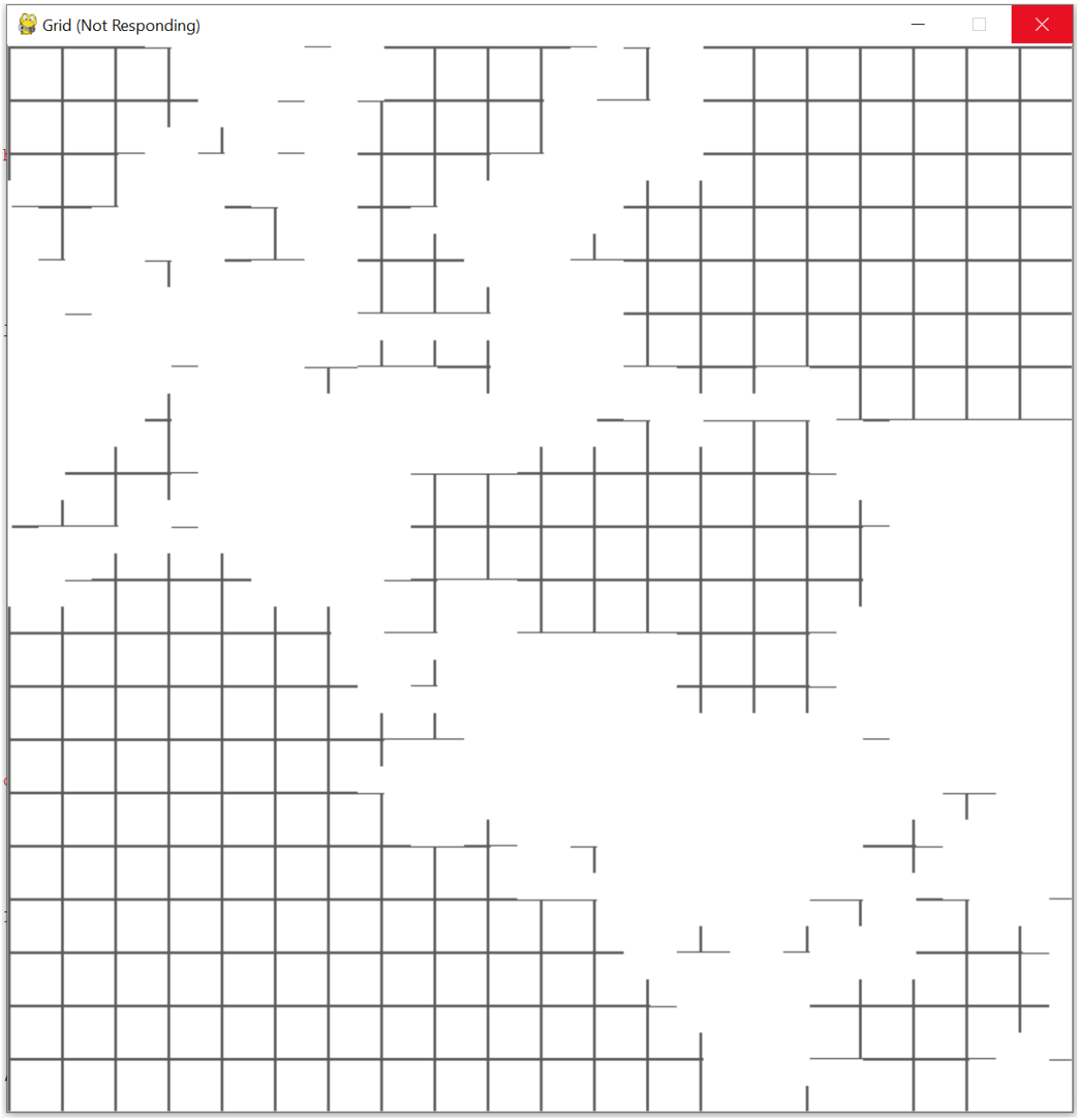
As this is a simple code, the input was written in the shell screen.

After inputting the number 10, a 10x10 grid was implemented:



Next, the maze was implemented.

It was created by selecting a random location on the screen and drawing white rectangles in a random direction. If these directions have already been, it will not be considered. This provided the following output:



Note: I would advise you to a high “n” value to provide a better-looking maze.

Limitations:

- The pygame screen starts not respond after brief inactivity (when not inputting an n value) and after the maze algorithm has run. It is unsure why this occurs at the moment.

References:

Provided lots of help in understanding maze algorithm:
https://github.com/tonypdavis/PythonMazeGenerator