LEGO® Digital Designer (LDD) is a freely available tool, provided by The LEGO® Group, for creating LEGO® artifacts in virtual space. In the world of LDD, you never run out of bricks and you can put bricks anywhere (even in mid-air). You are only limited by your imagination and the effort you are willing to put into building your creation.

Bricklayer is a freely available programming environment that lets you write code that, when executed, builds an LDD artifact for you. Your effort now is not in the manual construction of an LDD artifact though mouse clicks, but rather in figuring out how to express in code what you want Bricklayer to build for you.

Please visit our exhibit and learn about computational thinking, learn some algorithms for constructing fractals like the Sierpinski Gasket, and see what is possible in the world of LDD and Bricklayer. For more information about Bricklayer, please visit our website at:

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http://wintercoding.club/
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