**Assumptions**

1. The program doesn’t take into account windows, doors and any other objects that don’t require painting.
2. The shape of the room is either a square or rectangle.
3. The height of the room is uniform throughout.
4. 1 liter of paint is sufficient for 10 m2 of surface.
5. All 4 walls and ceiling are to be painted.

**Compiling**

The program is a standard C++, console based app with input/output in the command line. The program is executable from any C++ IDE(Visual Basic, CodeBlocks, Eclipse, NetBeans).