# Homework 1

1. Read [the course outline](https://docs.google.com/document/d/1wjElzmOOdG-i-KI7z1wow8AVJXBYubVnC8XtDZIzGtg/edit?usp=sharing) and its linked documents ([Zoom guidelines](https://docs.google.com/document/d/1t7nMoCqFnvqaZPbOY7p-d_Btj_ye5mrCnn_FjT1tJBg/edit?usp=sharing), [Slack etiquette](https://docs.google.com/document/d/1itwMx7M3cOh9-M8A5a3VxpON4DxEYJR0k1hDalg_pGI/edit?usp=sharing), [email etiquette](https://docs.google.com/document/d/1Y62bw9zfZlwj0MRYoejEDsz-Gifr_kgWMcgMLF0_f_0/edit?usp=sharing)). Take the syllabus quiz in week 1--you can have all of the documents open, it isn’t timed, you have as many attempts as you need to get a perfect score (17 points).
2. We’re going to start building our programming skills even before we know any Python! Work through [The Maze](https://studio.code.org/s/20-hour/stage/2/puzzle/1) at code.org. Make sure to finish each puzzle in the number of pieces suggested; **click “try again” instead of “continue” if it tells you that you used too many pieces.**

As you’re working through the problems, **think about how you’re going about solving them. What is your thought process? Do you try to solve the whole maze at once or do you go piece by piece?** (We’ll discuss in class next week.)

When you finish level 20, if you click “Continue,” it will take you into Lesson 5: The Artist. If that happens, click at the top of the screen to go back to the main menu for Code.org’s Accelerated Intro to CS Course:



I want you to take a screenshot showing that you completed all of the levels with the right number of blocks. You’ll **paste that screenshot into a Word doc** (or use any similar program you want, as long as you give me a .doc, .docx, or .rtf file).

Here’s a screenshot that shows I completed *most of* the levels, but I skipped level 11 and used too many blocks in level 15. **Your circles should all be the nice dark green of proper completion, not like this:**



1. After you finish The Maze, work through [The Artist](https://studio.code.org/s/20-hour/stage/5/puzzle/1). Try to challenge yourself to make something interesting in the final level. As you are thinking through what you will draw in the final level, I’d like you **to take notes on your thought process, which you can also add to that Word doc**. What will you need to make the character on the screen do, to get the image you want? You’ll submit a screenshot of your final creation:
   1. **Post your creation to our class Slack with a short self-introduction**, and also
   2. **Reply *in a thread* to one other student’s creation and/or self-intro,** and also
   3. **Take a screenshot of each of your Slack posts.** Add those screenshots to the Word doc you’ll turn in.

If you can’t think of something you want to draw, here’s a challenge for you:



1. Read chapter 1 of the textbook. Write down any questions you have about the reading or anything you find interesting about it, so that you can ask during class!
2. Install [Anaconda **3.7**](https://www.anaconda.com/products/individual#Downloads) and [Git for Windows](https://gitforwindows.org/) (Mac and Linux users, you’ll want Anaconda, but you already have what we need from Git for Windows 👍)