Beginning to Code

Need to Know:

- **HTML tags and attributes**
- **<html>,<body>,<hr>,
,<p>,<h1 to h6>, <head>,<title> tags**
- **Documentation**

Questions:

1. **Define coding/programming.**

Programming is the process of writing, testing, troubleshooting, debugging, maintaining, the source code of a computer program

2. **List the names of at least 3 different programming/scripting language languages.**

C++, Java, python

3. **Describe the difference between a markup and a programming language.**

Markup is used to create documents and webpages while programming languages are used to create software.

4. **Give an example of a markup and a true programming language.**

HTML would be a markup and Python would be a programming language

5. **What are the minimum requirements necessary to code?**

text editors

6. **What is the name of the file that contains the code?**
   source

7. **What's the general rule for formatting code? What should you be aware of when it comes to spacing?**

Indenting your lines of code when it is contained inside another line of code. Spacing should always be consistent.

8. **What is documentation in code? Why do we use it? How is it implemented in HTML? What is another word for it?**

It is an interface that allows programmers to communicate with other programmers. It is implemented in HTML with < -- and -- >. It can also be called notes.

9. **What are the basic comments that should be at the top of every source file?**
   Name, date, title, description

Exercises:

Follow the class tree from yesterday and make sure you create a *home page* named **index.html**. Add an index.html to each of your unit folders. In your home page add a title ex. **Sam's ICS3U Website**. Underneath the title write a short paragraph describing yourself and why you took this course. Then beneath that add another paragraph describing the things you will learn in this course (use your course outline as an aid). Finally, add a section that outlines how your class averages will be calculated i.e. what the semester is worth, the summative, exam etc.. Use the correct tags to properly format the content of your web pages. In each unit page add a title and a short paragraph describing the unit (again use your course outline). As you write your code, be aware of its format. Poorly formatted code is difficult to read and debug.