Questions:

1. What is Programming?
2. Command Line/Shell
   1. Common commands/OS Comparison
3. Source Control/GIT
4. Variables & Data Types
5. Operations

1.) What is Programming:

Instructions telling a computer what to do.

* 1. Types of Programming Languages:
     1. Compiled (machine/CPU level code)
        1. Assembly, C, C++, Pascal, Rust, GO
     2. Scripted/Interpreted
        1. JavaScript, PHP, Ruby, Python, Java, C#
  2. Classification:
     1. Procedural
     2. Object-Oriented
     3. Functional

2.) Command Line/Shell

4.) Variables & Data Types

Declaring variables format: 3 different ways to declare; Var, let, and const.

Variables can not start with number or punctuation except \_

No spaces (use \_ )

Use camelCase

Var isRaining =

Const salesTax =

Let state =

Do not use var anymore. Var is old school and causes bugs and hard to debug.

Var: scope—hoisted to top of function block

Optional (\*warning: global variable)

Let: scope—hoisted to top of the code {} block

(most programming languages)

Const: ready only, once set cannot be changed