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Introduction to Programming and Computer Science Notes

- Programming: Instructing a computer to complete specific tasks without making mistakes

- Every IDE has its syntax (programming grammar)

- Modulus - returns the remainder

- Variable - stores a piece of information

- Integer, float, and double variables can be added, subtracted, multiplied, divided, and modulused. String can be added.

- Variables must be one continuous string

- An array is a list of something. Every element has its place in the array, called INDEX. Array sizes are final. You cannot mix types in arrays.

- Loops run an instruction repeatedly

- Errors: syntax, runtime, and runtime errors

- You can import functions, you do not have to write by yourself all the time.

- ArrayLists or Lists - A growing array

- Data structures: linear search, binary search

- Recursive functions: functions that repeatedly call themselves

- Pseudocode: planning your program before writing it (flow charts, writeup, functionality planning

Jot down some text