



CODING

Study guide

[Video](#)



What is Code

- Program/list of instructions
- Written in a selected 'language'
- Using selected 'tools'
- Created/stored on computer media

Computers are Dumb!

- Only as smart as the code (Coder?)
- Code is detailed regarding how to do something
- Need to understand the task being coded

Well written code:

- Structured to be readable & maintainable
- Useful user interface (GUI)
- Addresses the user problem (Focused)

Naming strategies

- Variables to be descriptive of their contents
- Functions to be descriptive of their role
- Storage describing location & content/type

Iterative

- Repetition of a sequence of operations or procedures
- Debugging
- Conditional statements (Logic)

Inputs/Outputs

- Error trapping
- Preselected choices
- Understandable messaging regarding inputs and choices
- File Names, Types, Location

Safe storage

- Multiple copies
- Multiple locations
- Version management
- Limited access