**CS1332 – Programming Languages**

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**Student ID:** 2022-62183 **Schedule:** MTH 1:00 – 3:30

**Research about LOLCODE**

LOLCODE is an esoteric programming language inspired by the internet's "lolcat" meme culture. Created by Adam Lindsay in 2007, it's known for its humorous syntax, which mimics the broken English and playful tone of lolspeak. While not designed for practical, real-world applications, LOLCODE serves as a fun and quirky example of how programming concepts can be expressed in unconventional ways.

**Key Features and Syntax:**

* **Lolspeak Influence:**
  + LOLCODE's syntax uses keywords derived from lolspeak, such as "HAI" for program start, "KTHXBYE" for program end, and "I CAN HAS" for input.
  + This makes the language appear playful and informal.
* **Basic Structure:**
  + A LOLCODE program typically begins with "HAI" and ends with "KTHXBYE."
  + It uses keywords to define variables, perform operations, and control program flow.
* **Variable Types:**
  + LOLCODE includes basic data types like:
    - "NUMBR" (integer)
    - "NUMBAR" (float)
    - "YARN" (string)
    - "TROOF" (boolean: WIN/FAIL)
    - "NOOB" (untyped)
* **Operators:**
  + It provides operators for arithmetic, comparison, and logical operations, often with lolspeak-inspired names.
* **Control Flow:**
  + LOLCODE includes control structures like conditional statements ("IF...THEN...ELSE") and loops.
* **Example:**
  + A simple "Hello, World!" program in LOLCODE might look like this:
    - HAI
    - VISIBLE "Hello, World!"
    - KTHXBYE

LOLCODE is a unique and entertaining programming language that showcases the lighter side of coding. While it may not be suitable for serious software development, it serves as a fascinating example of how language and culture can intersect with technology.

**References:**

Lolcode. (n.d.). Programming Languages - Progopedia - Encyclopedia of Programming Languages. <https://progopedia.com/language/lolcode/>

Wikipedia Contributors. (2025, April 8). LOLCODE. Wikipedia. <https://en.wikipedia.org/wiki/LOLCODE>