CS Bridge Module 6: Iterative Statements

Control Flow of Iterative Statements: -Statements that repent for some determined action or input

While Loops

Syntax: while (condition) &

3.

Sematics: - Program is executed up to the "while" statement
-Once the "while "statement is reached

First: Condition is evaluated, either true or False

True: The body is executed, and the condition is re-evaluated
- When, the condition turns false

False: Program continues in its original path

While the condition is still True, the body is executed over and over. When the condition turns lake, break out and continue program flow.

Syntax:

for (intialization; condition; increment) &

Sementics: Execute program up to "for" statement

- Firstly: Executes "intialization" statement one time

- Sccondly: "Condition" is evaluated, either True on False

If condition" is true, the body is executed,

Hollowed by the "increment statement.

Them: "Condition" is re evaluated, if True body is executed

tollowed by the "increment statement.

If "condition" is false ("for" Loop Breaks Out)

"for" Loop ends, program just continues with original execution

-Parffered aer "while" logs