Esc101
Fundamentals of Computing
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The Conditional Operator

- Ternary operator (conditional operator):
  - (2 < 3) ? 6 : 7
  - First operand is boolean, second and third have to be of the same “type”
  - If first operand is true, result is second operand
  - If first operand is false, result is third operand

Control Flow in Java

- Conditional execution: if-else
  - Example: checking divisibility
  - Conditional operator (x ? y : z) is a short-hand for simple if-else statements

Loops in Java

- Loops (repeated execution)
  - Example: String reversal, Euclid's GCD algorithm
  - for loop, while loop
  - More examples:
    - Digits of an integer (while)
    - Max digit in an integer (while)
    - All primes within 100 (for)