

Code for Teachers

A practical approach to programming

Chapter 2-2: The `while` Loop

Basic Concepts

- `while` loops repeat using a condition
 - When the condition evaluates to `False`, the loop stops
 - We often create an *iterator* variable to control the loop
- We use `while` loops when we don't know how many times we want to repeat a process, but we know when we want to stop

Code Example: Countdown

- Create a program that counts down from 10
- Then says “Liftoff!”
- Need an iterator variable: `count`
- while `count > 0`, we’ll print the value of count
- Afterwards, print “Liftoff!”



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