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// Yannique Hecht
// HARVARD CS50 Week 5 - Speller - Implement a program that fastly
// spell-checks files with a hash table

// Implements a spell-checker

#include <ctype.h>
#include <stdio.h>
#include <sys/resource.h>
#include <sys/time.h>

#include "dictionary.h"

// Undefine any definitions
[REDACTED]
[REDACTED]

// Default dictionary
[REDACTED]

// Prototype
[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
    [REDACTED]
    [REDACTED]
    [REDACTED]
        [REDACTED]
        [REDACTED]
    [REDACTED]
[REDACTED]

// Structures for timing data
[REDACTED]

// Benchmarks
[REDACTED]
[REDACTED]

// Determine dictionary to use
[REDACTED]

// Load dictionary
[REDACTED]
[REDACTED]
[REDACTED]
```

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// Exit if dictionary not loaded
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

// Calculate time to load dictionary
[REDACTED]

// Try to open text
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

// Prepare to report misspellings
[REDACTED]

// Prepare to spell-check
[REDACTED]
[REDACTED]

// Spell-check each word in text
[REDACTED]
[REDACTED]
    // Allow only alphabetical characters and apostrophes
    [REDACTED]
    [REDACTED]
        // Append character to word
        [REDACTED] [REDACTED]
        [REDACTED]

        // Ignore alphabetical strings too long to be words
        [REDACTED]
        [REDACTED]
            // Consume remainder of alphabetical string
            [REDACTED]

            // Prepare for new word
            [REDACTED]

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    [REDACTED]
    [REDACTED]
    [REDACTED]
[REDACTED]

// Close text
[REDACTED]

// Determine dictionary's size
[REDACTED]
[REDACTED]
[REDACTED]

// Calculate time to determine dictionary's size
[REDACTED]

// Unload dictionary
[REDACTED]
[REDACTED]
[REDACTED]

// Abort if dictionary not unloaded
[REDACTED]
[REDACTED]
    [REDACTED]
    [REDACTED]
[REDACTED]

// Calculate time to unload dictionary
[REDACTED]

// Report benchmarks
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
    [REDACTED]

// Success
[REDACTED]
[REDACTED]
```

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// Returns number of seconds between b and a
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[REDACTED]
```