

Zig Lstlisting Example

Brook Jeynes

May 24, 2023

Listing 1: Example from <https://ziglang.org/>

```
1 const std = @import("std");
2 const parseInt = std.fmt.parseInt;
3
4 test "parse_integers" {
5     const input = "123_67_89,99";
6     const ally = std.testing.allocator;
7
8     var list = std.ArrayList(u32).init(ally);
9     // Ensure the list is freed at scope exit.
10    // Try commenting out this line!
11    defer list.deinit();
12
13    var it = std.mem.tokenize(u8, input, "_", ",");
14    while (it.next()) |num| {
15        const n = try parseInt(u32, num, 10);
16        try list.append(n);
17    }
18
19    const expected = [_]u32{ 123, 67, 89, 99 };
20
21    for (expected, list.items) |exp, actual| {
22        try std.testing.expectEqual(exp, actual);
23    }
24 }
```