

FizzBuzz

“Fizz Buzz” is a simple, but effective test in the computer software industry that has been used by hundreds of companies for decades to screen candidates. It’s a famous introductory programming interview question used to establish basic coding fluency. It’s not overly difficult; it just combines a little loop code with a little logic code. The idea is that someone with practice writing loop and logic code can write the solution out very quickly, so it makes a good first question.

Here is a description of the problem:

Write a program that prints the numbers from 1 to 100. If it’s a multiple of 3, it should print “Fizz”. If it’s a multiple of 5, it should print “Buzz”. If it’s a multiple of 3 and 5, it should print “Fizz Buzz”.

Part 1: Create a one-button application to display the FizzBuzz output in a listbox.

```
1
2
Fizz
4
Buzz
Fizz
7
8
Fizz
Buzz
11
Fizz
13
14
FizzBuzz
16
.
.
.
```

Part 2: Create a second button to take user input and display the FizzBuzz output in a listbox. The user input should be a start and an ending value resulting in a series of numbers beginning at **start** and running up to but not including **end**, so for example start=1 and end=5 gives the series 1, 2, 3, 4 and the Fizzbuzz output would be:

```
1
2
Fizz
4
```