**Fizz Buzz Testing**.

**Introduction**:

Fizz Buzz is a simple application where the program prints numbers 1 to 100, where if a number is divisible by 3, instead, it should print Fizz and if the number is divisible by 5, the program should print Buzz.

Assume that some developer has developed a Fizz Buzz application (FizzBuzz.exe attached) and have released a version of the software. This software may contain “defects” when returning the values.

**Problem**:

Develop a test program (preferably in python) that executes the FizzBuzz program automatically. This executable test should run the FizzBuzz “N” times, and at the end generate a log report, containing statistical data of the outputs. The test may also plot graphs of the obtained outputs, i.e. a histogram. Present your defect report containing your analysis in a one-page slide.

|  |
| --- |
| Expected output of the program:  1, 2, Fizz, 4, Buzz, Fizz, 7, 8, Fizz, Buzz ...  Example of output containing errors:  1, 2, 3, 4, Buzz, Fizz, FizzBuzz, 8, Fizz, Buzz... |

**Deliverables**:

Zip file named “*<your\_name>-hil-challenge-2021”* with the following files:

* + Script: “*<your\_name>-fizzBuzzTest”*
  + One-page report: “*<your\_name>-report”.pdf*

**Observations**:

* Running *fizzBuzz.exe*:

Open the command prompt on the file’s location and type: FizzBuzz.exe. The result will be printed on command window.

* Implementation:

Implement preferably in python. If you choose another language, inform prior turn in.