Environment information & version numbers:
- Platform | Linux Ubuntu 18.04
- Python | 3.6.9
- Pytest | 5.4.1
- Pip3 | 9.0.1

Assumptions made during development:
- There will be no more than two match cases titled as such "MatchOne" & "MatchTwo"
- Valid numbers for this exercise are all positive (including 0)
- The user will input number ranges from beginning (low number) to end (high number)
- Numbers (in fbp-config.JSON file and user positional arguments from Command Line Interface) will be integers
- All files will stay in the same folder
- Number ranges are defined when the user calls the python file in the Command Line Interface (e.g not using raw_input() or input() inside the .py file itself)

Description of approach:
My first step was to identify what I was going to import into the fizzbuzzpluzz.py file, as well as determine what method to use to capture positional arguments from the command line. My next step was to bring in data from the fbp-config.json file to fizzbuzzpluzz.py and separate the data within fbp-config.json. I then used the variables containing the data from fbp-config.json to build the logic of the function fizzbuzzpluzz(k). Next, I performed ad-hoc testing and debugging to complete requirements 1 and 2. I then proceeded to work on pytest test case authoring. During test authoring, I decided to write run.py to allow positional arguments from the command line to be used in executing the test script alongside pytest. Lastly, I tested fizzbuzzpluzz.py, test_fizzbuzzpluzz.py, and fbp-config.json with respect to the system as whole, as well as units of code.

Notes:
Enabling the user to use positional arguments when calling the test script resulted in a feature for fizzbuzzpluzz.py, where the user must input ==**_THREE_**== positional arguments (Arg1, Arg2, Arg3), where Arg1 is a don't care/throw away input that will not be used for defining the range of fizzbuzzpluzz.py. Arg2 and Arg3 are the lower limit range number and upper limit range number respectively.

When inputting the positional arguments for test_fizzbuzzpluzz.py, the user only needs to provide two arguments (Arg2 and Arg3). Arg2 and Arg3 are the lower limit range number and upper limit range number, respectively. The user must call run.py as well as test_fizzbuzzpluzz.py to run pytest.

It is important to run this using python3, where test_fizzbuzzpluzzInputKeys in test_fizzbuzzpluzz.py uses information from the bdp-config.JSON. Python3 will treat the data collected (e.g FUZZ.M1_Key) as a 'str', where if you use python2 this will read the data((e.g FUZZ.M1_Key) as 'unicode'.

Instructions:
Use the following commands to run their respective scripts

fizzbuzzpluzz.py :
python fizzbuzzpluzz.py <Arg1> <Arg2> <Arg3>

Example :
 python fizzbuzzpluzz.py qwerty 4 256

Test_fizzbuzzpluzz.py :
python3 run.py test_fizzbuzzpluzz.py <Arg2> <Arg3>

Example:
python3 run.py test_fizzbuzzpluzz.py 4 256

Test Results:

Actual test results meet expected results. The collection of test verify among other things, negative numbers are not permitted, data from the JSON config file is formatted properly, and that the user inputs number ranges from beginning (low number) to end (high number) when calling the test script.