

Assignment

- Create unit tests (with the unittest module) for your Matrix class (from the previous practicals)
 - a test for each method

Assignment

- Create a simple vector calculator. Parse integers from commandline and reduce them by applying operation add or mul as set by --operation commandline argument. if argument --verbose is specified print "Result is: RESULT". If it is not the case print just the result.
- `$ python3 vector\ math.py 1 2 3 4 5 -o mul -v`
- The result is: 120
- `$ python3 vector\ math.py 1 2 3 4 5 -o add -v`
- The result is: 15
- `$ python3 vector\ math.py 1 2 3 4 5 -o add`
- 15
- `$ python3 vector\ math.py 1 2 3 4 5 -o sub`
- usage: vector math.py [-h] [-v] -o {add,mul} data [data ...]
- vector math.py: error: argument -o/--operation: invalid choice: 'sub' (choose from 'add', 'mul')
- `$ python3 vector\ math.py -o add`
- usage: vector math.py [-h] [-v] -o {add,mul} data [data ...]
- vector math.py: error: the following arguments are required: data
- `$ python3 vector\ math.py -h`
- usage: vector math.py [-h] [-v] -o {add,mul} data [data ...]
- Integer vector calculator
- positional arguments:
 - data Provide list of input data values
- optional arguments:
 - -h, --help show this help message and exit
 - -v, --verbose specify to make output more verbose
 - -o {add,mul}, --operation {add,mul} Specify operation to apply: add, mul

Assignment

- Create a program that processes three column CSV (below) into 4 column CSV
- Add 4-th column as a result of operation defined in 3rd column on the operands in the columns 1 and 2

```
568.230466925966;28.8792735700373;+  
301.208470129689;877.943210287368;*  
499.789999794327;778.952608132001;/  
46.0484945634034;994.610536635629;-
```



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