

Expected Behaviour

The input is a single string containing some amount of functions enclosed within (), and the output is the number result of the functions found in the string.

The output typically only prints out the final number, but will print out error messages if something goes wrong.

Input 1 – Basic Add.txt

Output:

```
vagrant@ubuntu-bionic:~/host-mirror$ ./calc.py '(add 1 1)'
2
```

Input 2 – Basic Multiply.txt

Output:

```
vagrant@ubuntu-bionic:~/host-mirror$ ./calc.py '(multiply 2 9)'
18
```

Input 3 – Repeated Multiplication.txt

Output:

```
vagrant@ubuntu-bionic:~/host-mirror$ ./calc.py '(multiply (multiply (multiply 4 4) 4) 4)'
```

256

Input 4 – Plenty of Nested Functions.txt

Output:

```
vagrant@ubuntu-bionic:~/host-mirror$ ./calc.py '(multiply (multiply 99 2) (add 1 (multiply 2 88)))'
```

Input 5 – Large Numbers.txt

Output:

[illegible]