

Testing

Tested if correct calculations were returned on correct format

$2+2 = 4$
 $2-1 = 1$
 $9/3 = 3$
 $3*2 = 6$
PASSED

Tested if divide by 0 returns an error

$4/0$
Error returned
PASSED

Testing if I put in calculation with probability of 0.9 of dropping the packet the majority of times the packet is dropped

Out of 10 trials of 0.9 probability of dropping packet only 1 did not get dropped
PASSED

Testing if message of invalid length works

In UDP Server I parsed in "2+2 meow" for equation

Got an error
PASSED

In UDP Server I parsed in "0.9 bark" for probability of dropping

Got an error
PASSED

In TCP Server I passed in "2+2 meow"

Got an error
PASSED

Testing if invalid operations work

In UDP Server Parsed in 2+u

Got an error
PASSED

In UDP Server Parsed in u+2

Got an error
PASSED

In UDP Server Parsed in 2u2

Got an error
PASSED

In UDP Server parsed in "meow" for decimal packet drop probability

Got an error
PASSED

In UDP Server parsed in "meow" for number operation code number

Got an error

PASSED

In UDP Server parsed in "" (blank) for number operation code number

Got an error

PASSED

In UDP Server parsed in "" (blank) for decimal packet drop probability

Got an error

PASSED

In TCP Server Parsed in 2+u

Got an error

PASSED

In TCP Server Parsed in u+2

Got an error

PASSED

In TCP Server Parsed in 2u2

Got an error

PASSED

In TCP Server parsed in "meow" for number operation code number

Got an error

PASSED

In TCP Server parsed in "" (blank) for number operation code number

Got an error

PASSED

In TCP Server parsed in "" (blank) for decimal packet drop probability

Got an error

PASSED