Q1

obelix.gaul.csd.uwo.ca[28]% make all

gcc -std=c99 -Wall -c operation.c

gcc -std=c99 -Wall -c operation\_functions.c

gcc -std=c99 -Wall -o operation operation.o operation\_functions.o

obelix.gaul.csd.uwo.ca[29]% make test

operation

Please enter the real portion for the first complex number: 7

Please enter the imaginary portion for the first complex number: 5

Please enter the real portion for the second complex number: 10

Please enter the imaginary portion for the second complex number: 15

==========================Result===========================

The result of the multiplication of the two numbers is -5.000000 + i(155.000000)

The result of the division of the two numbers is 0.446154 + i(-0.169231)

The result of the sum of the two numbers is 17.000000 + i(20.000000)

The result of the difference of the two numbers is -3.000000 + i(-10.000000)

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obelix.gaul.csd.uwo.ca[31]% make test

operation

Please enter the real portion for the first complex number: 0.57

Please enter the imaginary portion for the first complex number: 0.9

Please enter the real portion for the second complex number: 3.5

Please enter the imaginary portion for the second complex number: 9.12

==========================Result===========================

The result of the multiplication of the two numbers is -6.213000 + i(8.348400)

The result of the division of the two numbers is 0.106922 + i(-0.021466)

The result of the sum of the two numbers is 4.070000 + i(10.020000)

The result of the difference of the two numbers is -2.930000 + i(-8.220000)

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obelix.gaul.csd.uwo.ca[32]% make test

operation

Please enter the real portion for the first complex number: 0

Please enter the imaginary portion for the first complex number: -9

Please enter the real portion for the second complex number: 0

Please enter the imaginary portion for the second complex number: -3

==========================Result===========================

The result of the multiplication of the two numbers is -27.000000 + i(-0.000000)

The result of the division of the two numbers is 3.000000 + i(0.000000)

The result of the sum of the two numbers is 0.000000 + i(-12.000000)

The result of the difference of the two numbers is 0.000000 + i(-6.000000)

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obelix.gaul.csd.uwo.ca[33]% make test

operation

Please enter the real portion for the first complex number: 0.467

Please enter the imaginary portion for the first complex number: 13

Please enter the real portion for the second complex number: 0

Please enter the imaginary portion for the second complex number: -4

==========================Result===========================

The result of the multiplication of the two numbers is 52.000000 + i(-1.868000)

The result of the division of the two numbers is -3.250000 + i(0.116750)

The result of the sum of the two numbers is 0.467000 + i(9.000000)

The result of the difference of the two numbers is 0.467000 + i(17.000000)

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obelix.gaul.csd.uwo.ca[34]% make test

operation

Please enter the real portion for the first complex number: 0

Please enter the imaginary portion for the first complex number: 8

Please enter the real portion for the second complex number: 9

Please enter the imaginary portion for the second complex number: 15

==========================Result===========================

The result of the multiplication of the two numbers is -120.000000 + i(72.000000)

The result of the division of the two numbers is 0.392157 + i(0.235294)

The result of the sum of the two numbers is 9.000000 + i(23.000000)

The result of the difference of the two numbers is -9.000000 + i(-7.000000)

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obelix.gaul.csd.uwo.ca[35]% make test

operation

Please enter the real portion for the first complex number: 0

Please enter the imaginary portion for the first complex number: 0

Please enter the real portion for the second complex number: 15

Please enter the imaginary portion for the second complex number: 30

==========================Result===========================

The result of the multiplication of the two numbers is 0.000000 + i(0.000000)

The result of the division of the two numbers is 0.000000 + i(0.000000)

The result of the sum of the two numbers is 15.000000 + i(30.000000)

The result of the difference of the two numbers is -15.000000 + i(-30.000000)

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obelix.gaul.csd.uwo.ca[36]% make test

operation

Please enter the real portion for the first complex number: 12

Please enter the imaginary portion for the first complex number: 0.83718

Please enter the real portion for the second complex number: 0

Please enter the imaginary portion for the second complex number: 0

==========================Result===========================

The result of the multiplication of the two numbers is 0.000000 + i(0.000000)

The result of the division of the two numbers is 0.000000 + i(0.000000)

The result of the sum of the two numbers is 12.000000 + i(0.837180)

The result of the difference of the two numbers is 12.000000 + i(0.837180)

obelix.gaul.csd.uwo.ca[37]% make clean

rm -f \*.o operation