

Enter the input filename: HW1 Test Input1.txt

Infix String: 123.456 - 7.8, result: 115.656

Infix String: 3 * 2 + 5 * 4, result: 26.0

Infix String: 9.8 / (12.3 + 7.6), result: 0.492462311557789

Infix String: 1928.3746, result: 1928.3746

Infix String: (78 - 901) * (234 + 56), result: -238670.0

Testing InfixExpression:

When passing null, the String and double = Infix String: , result: 0.0

When passing a valid String, the String and double = Infix String: (234.5 * (5.6 + 7.0)) / 100.2, result: 29.488023952095805

Testing the ArrayStack:

Out of space, removing Fifth 2

Out of space, removing Sixth 2

Out of space, removing Seventh 2

Out of space, removing Eighth 2

Out of space, removing Ninth 2

The size of the ArrayStack is now 15

Popping Tenth 2

Popping Fourth 2

Popping Third 2

Popping Second 2

Popping First 2

Popping Tenth 1

Popping Ninth 1

Popping Eighth 1

Popping Seventh 1

Popping Sixth 1

Popping Fifth 1

Popping Fourth 1

Popping Third 1

Popping Second 1

Popping First 1

The size of the ArrayStack is now 0

After pushing First 3, the size of the ArrayStack is now 1

Testing the LinkedStack:

The size of the LinkedStack is 10

Popping Tenth 4

Popping Ninth 4

Popping Eighth 4

Popping Seventh 4

Popping Sixth 4

The size of the LinkedStack is now 5

Popping Fifth 4

Popping Fourth 4

Popping Third 4

Popping Second 4

Popping First 4

The size of the LinkedStack is now 0

After pushing First 5, the size of the LinkedStack is now 1