

Enter the input filename: HW1 Test Input2.txt  
Infix String: 11111, result: 11111.0  
Infix String: 222. - 22. 0.22, result: 0.0  
Infix String: 33. / 444.0, result: 0.07432432432432433  
Infix String: 9. \* 3. +, result: 0.0  
Infix String: -55. \* 6. - 77., result: -407.0  
Infix String: 1010. / , result: 0.0  
Infix String: 8888. + -99. / 33., result: 8885.0

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