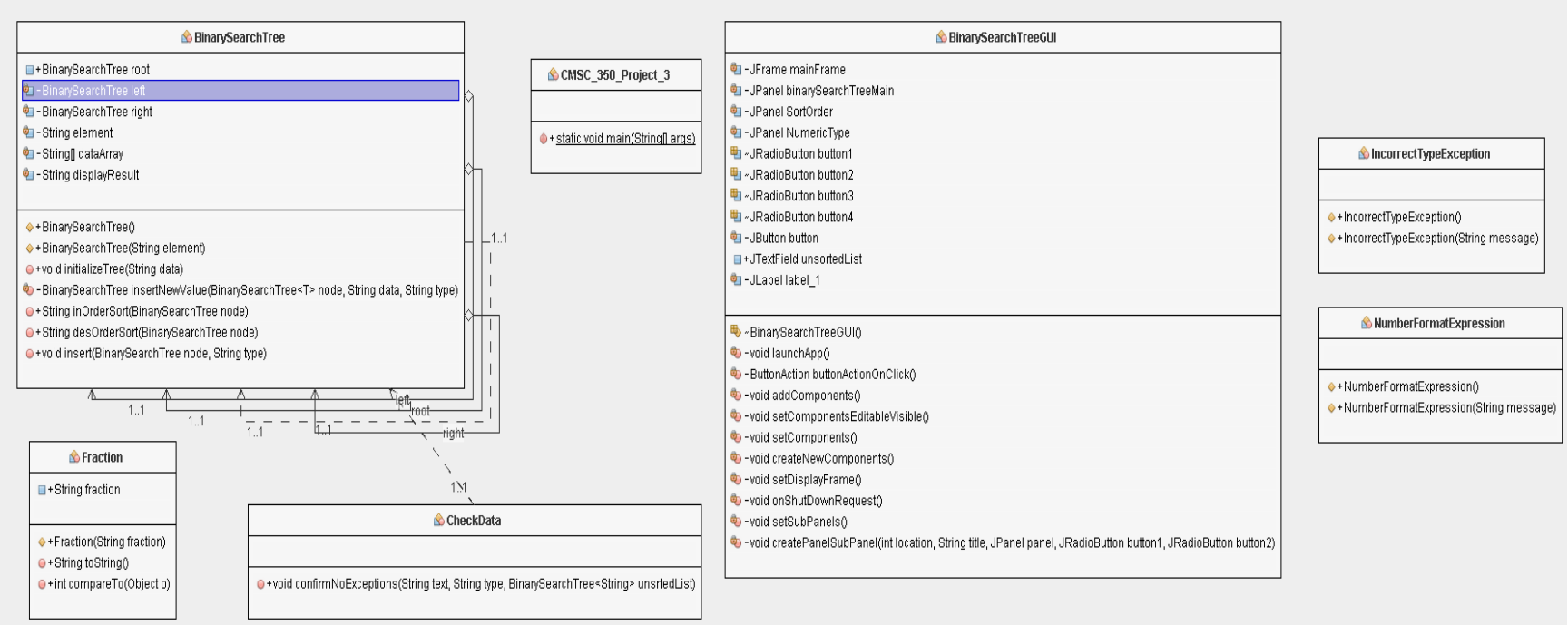
CMSC 350

11/25/2016

Kalada Opuiyo

Project 3

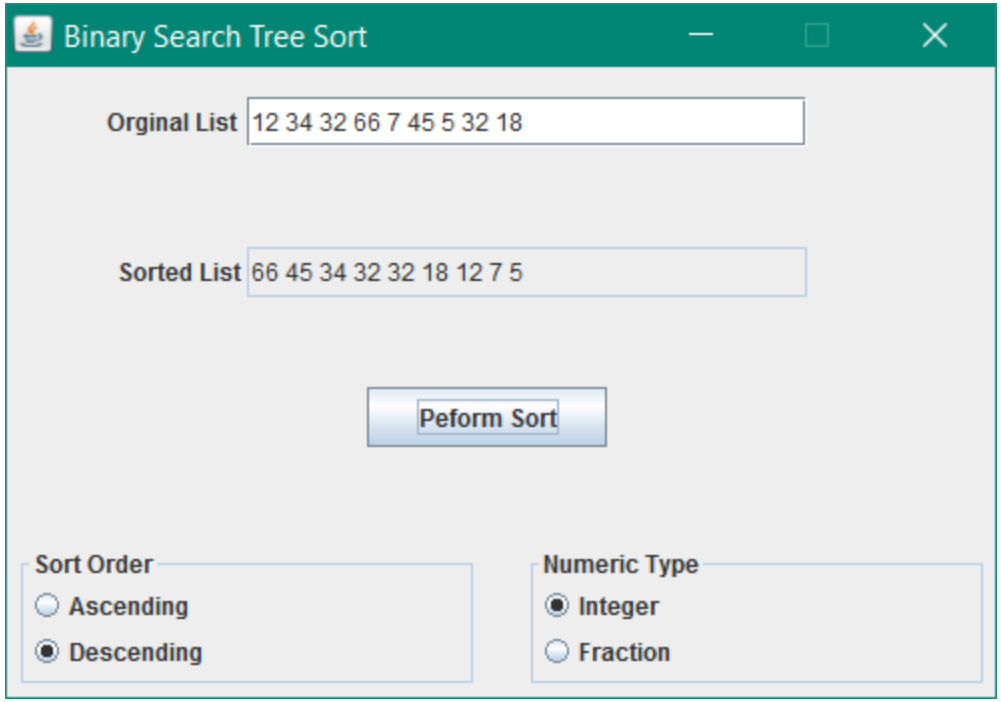


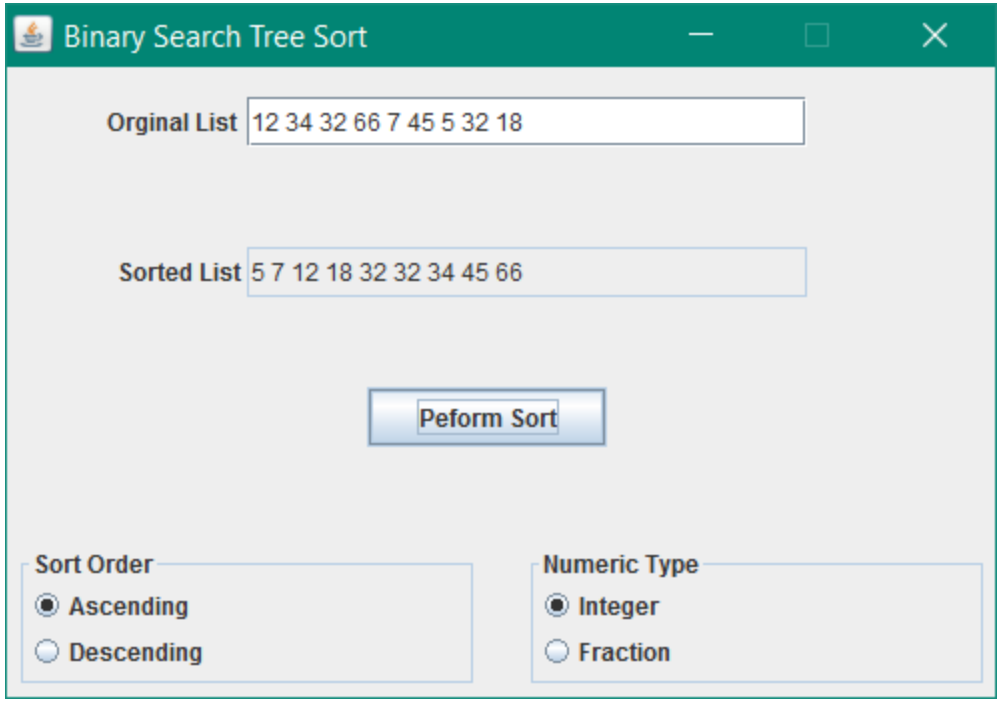
Test Number	Input	Expected Output	Actual Output	Reason for Test	Notes
1	12 34 32 66 7 45 5 32 18, RadioButton:Ascending RadioButton:Integer	5 7 12 18 32 32 34 45 66	5 7 12 18 32 32 34 45 66	Check if integers sorts in ascending order	n/a
2	12 34 32 66 7 45 5 32 18 RadioButton:Descending RadioButton:Integer	66 45 34 32 32 18 12 7 5	66 45 34 32 32 18 12 7 5	Check if integers sorts in descending order	n/a
3	12 34 32 66 7 45 5 32 18 RadioButton:Descending RadioButton:Fraction	Incorrect type (12) for selected Numeric Type	Incorrect type (12) for selected Numeric Type	Check if program throws custom exception for integers, IncorrectTypeException	n/a
4	1/2 3/4 4/2 5/16 7/49 5/40 1/8 RadioButton:Ascending RadioButton:Fraction	1/8 5/40 7/49 5/16 1/2 3/4 4/2	1/8 5/40 7/49 5/16 1/2 3/4 4/2	Check if fractions sorts in ascending order	n/a
5	1/2 3/4 4/2 5/16 7/49 5/40 1/8	4/2 3/4 1/2 5/16 7/49 5/40 1/8	4/2 3/4 1/2 5/16 7/49 5/40 1/8	Check if fractions sorts in descending order	n/a
6	1/2 3/4 4/2 5/16 7/49 5/40 1/8 RadioButton:Ascending RadioButton:Integer	Incorrect type (1/2) for selected Numeric Type	Incorrect type (1/2) for selected Numeric Type	Check if program throws custom exception for fractions, IncorrectTypeException	n/a
7	1/2 3/4 4/2 5/16 7/A 5/40 1/8 RadioButton:Ascending RadioButton:Fraction	Non numeric input	Non numeric input	Check if program throws custom exception for fractions, NumberFormatExpression	n/a
8	1/2 3/4 4/2 5/@ 7/2 5/40 1/8 RadioButton:Ascending RadioButton:Fraction	Non numeric input	Non numeric input	Check if program throws custom exception for fractions, NumberFormatExpression	n/a

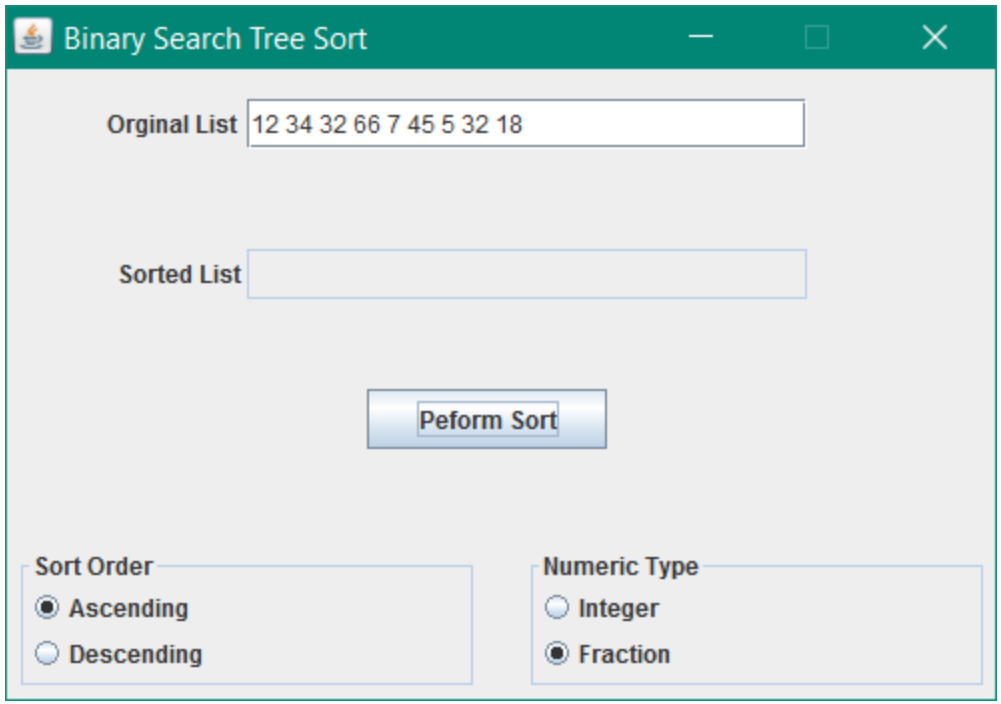
9	12 34 32 66 C 45 5 32 18 RadioButton:Ascending RadioButton:Integer	Non numeric input	Non numeric input	Check if program throws custom exception for integer, NumberFormatExpression	n/a
10	12 $ 32 66 5 45 5 32 18 RadioButton:Ascending RadioButton:Integer	Non numeric input	Non numeric input	Check if program throws custom exception for integer, NumberFormatExpression	n/a

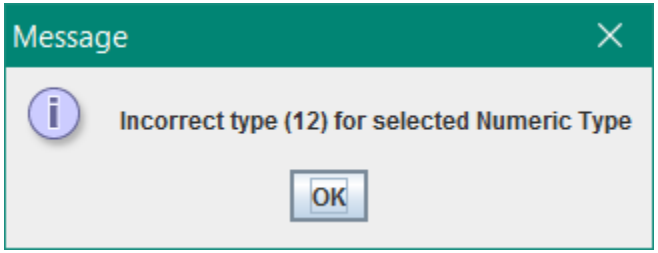
Lessons Learned

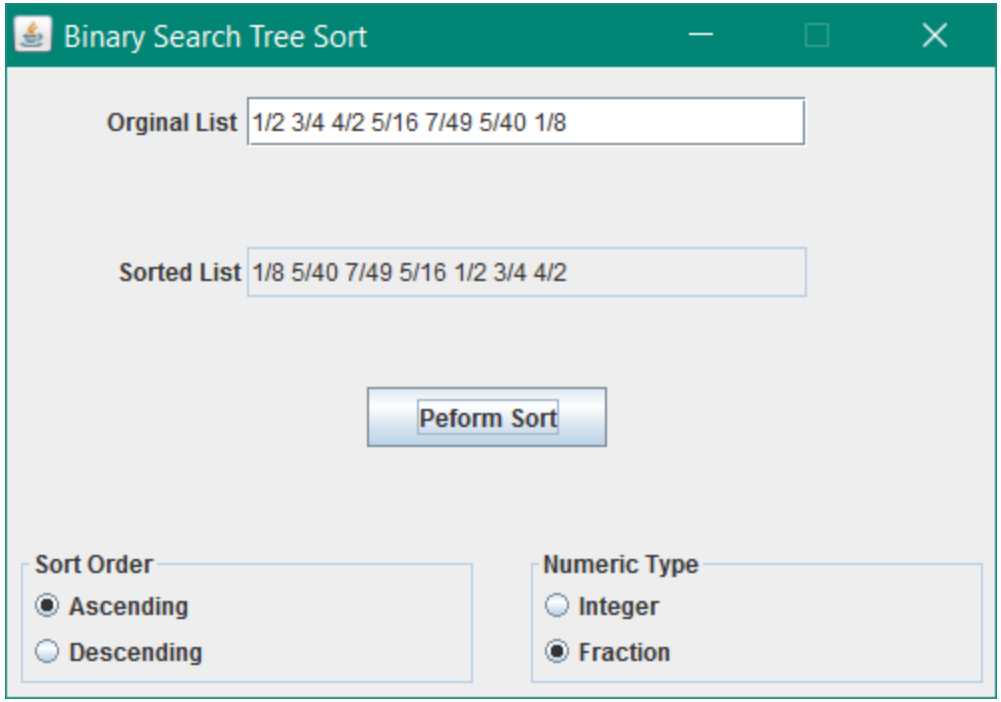
This project helped solidify my understanding of recursive methods. I also learned how to implement generic classes.

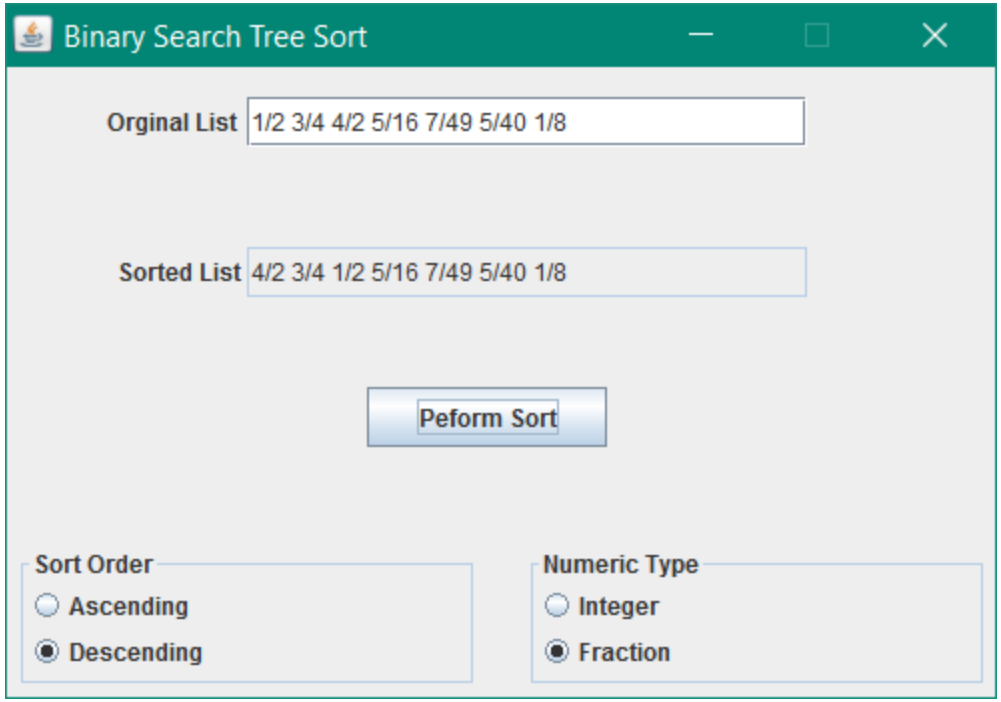

Binary Search Tree Sort
Orginal List
12 34 32 66 7 45 5 32 18
Sorted List
66 45 34 32 32 18 12 7 5
Peform Sort
Sort Order
Ascending
Descending
Numeric Type
Integer
Fraction

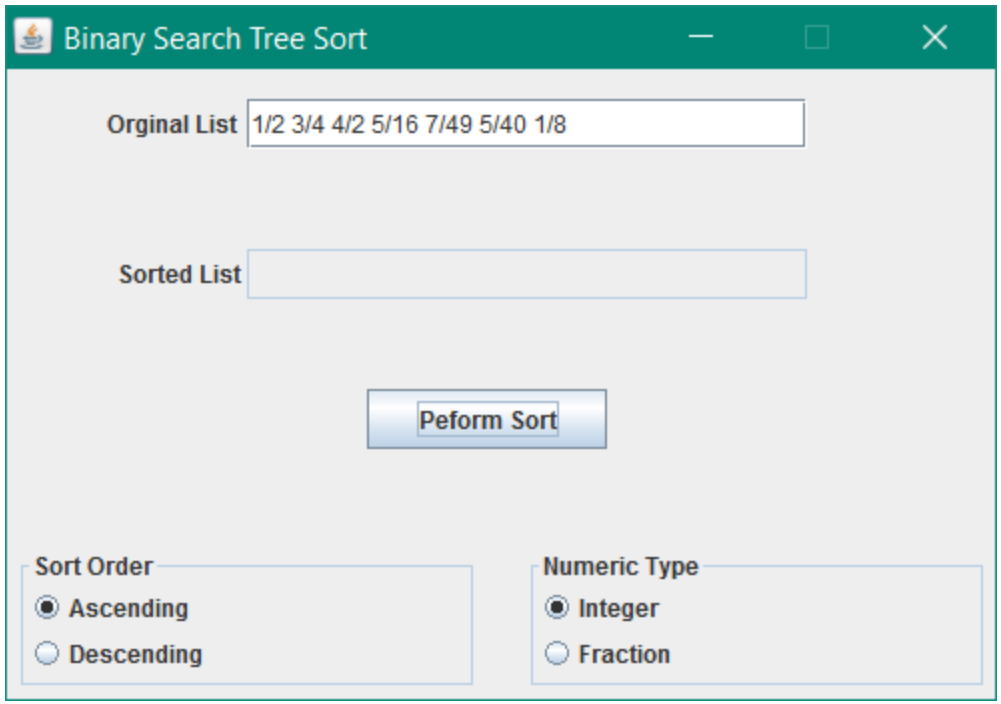

Binary Search Tree Sort
Orginal List
12 34 32 66 7 45 5 32 18
Sorted List
5 7 12 18 32 32 34 45 66
Peform Sort
Sort Order
Ascending
Descending
Numeric Type
Integer
Fraction

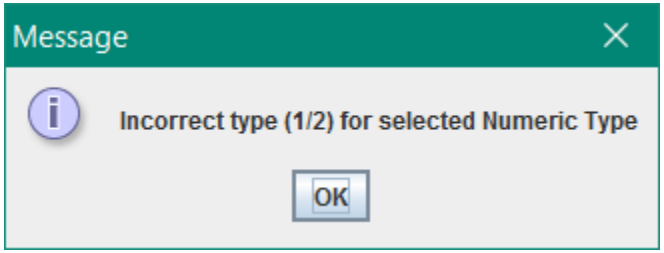

Binary Search Tree Sort
Orginal List
12 34 32 66 7 45 5 32 18
Sorted List
Peform Sort
Sort Order
Ascending
Descending
Numeric Type
Integer
Fraction

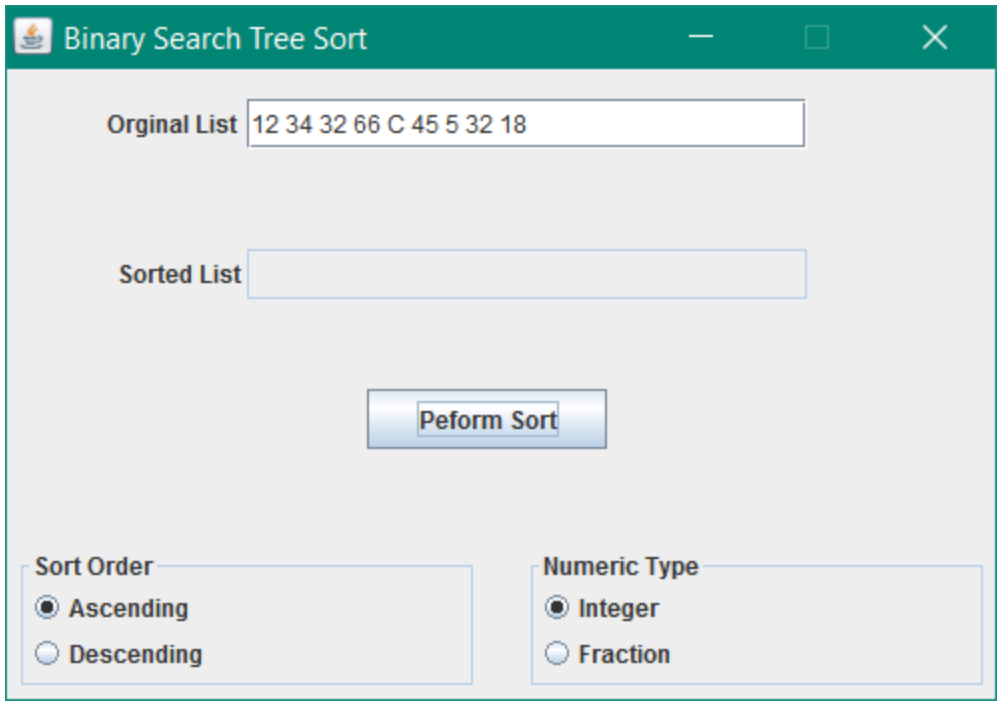

Message
Incorrect type (12) for selected Numeric Type
OK

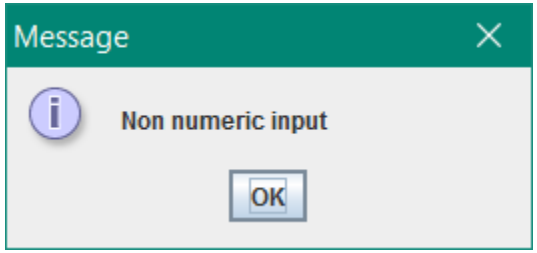

Binary Search Tree Sort
Orginal List
1/2 3/4 4/2 5/16 7/49 5/40 1/8
Sorted List
1/8 5/40 7/49 5/16 1/2 3/4 4/2
Peform Sort
Sort Order
Ascending
Descending
Numeric Type
Integer
Fraction


Binary Search Tree Sort
Orginal List
1/2 3/4 4/2 5/16 7/49 5/40 1/8
Sorted List
4/2 3/4 1/2 5/16 7/49 5/40 1/8
Peform Sort
Sort Order
Ascending
Descending
Numeric Type
Integer
Fraction


Binary Search Tree Sort
Orginal List
1/2 3/4 4/2 5/16 7/49 5/40 1/8
Sorted List
Peform Sort
Sort Order
Ascending
Descending
Numeric Type
Integer
Fraction


Message
Incorrect type (1/2) for selected Numeric Type
OK


Binary Search Tree Sort
Orginal List
12 34 32 66 C 45 5 32 18
Sorted List
Peform Sort
Sort Order
Ascending
Descending
Numeric Type
Integer
Fraction


Message
Non numeric input
OK