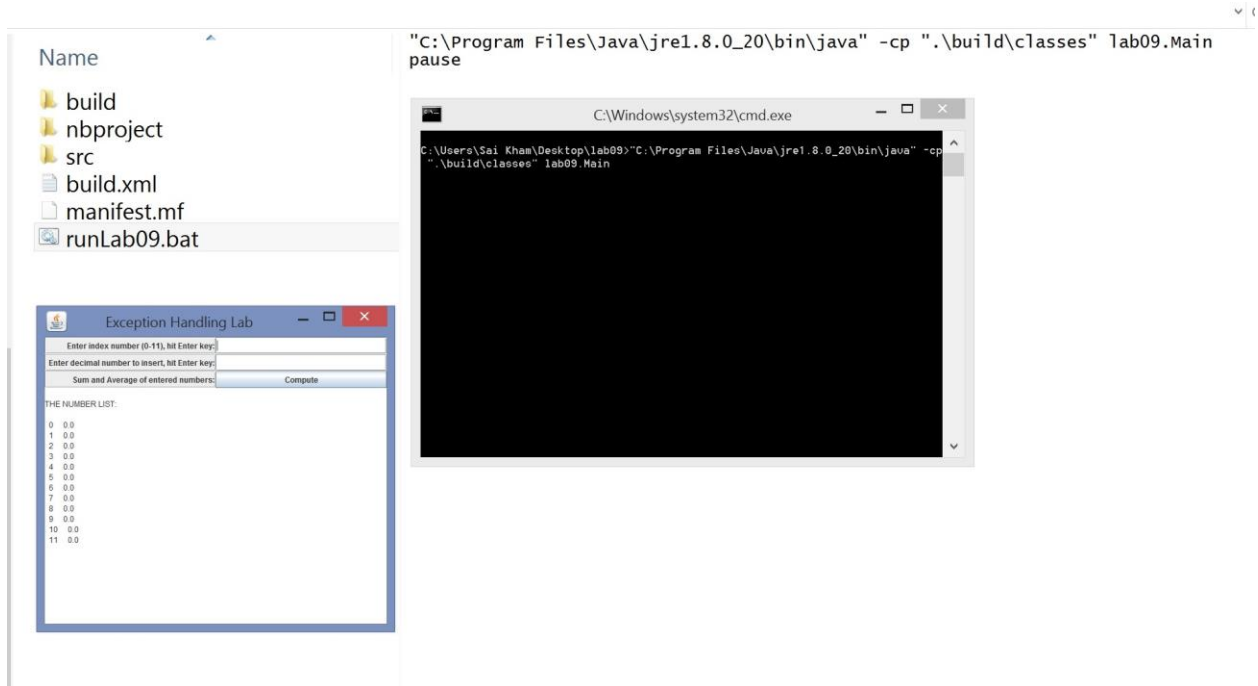Name: Sai Sao Kham

Professor: Streller, Dutta

Assignment: cs209_lab_09

Date: 11/25/2014

This program is about exception handling and throw preferred to chapter 12, according to user's input following images show below.

Exception Handling Lab

Enter index number (0-11), hit Enter key:
Enter decimal number to insert, hit Enter key:
Sum and Average of entered numbers: Compute

THE NUMBER LIST:

0   0.0
1   0.0
2   0.0
3   0.0
4   0.0
5   0.0
6   0.0
7   0.0
8   0.0
9   0.0
10   0.0
11   0.0

Exception Handling Lab

Enter index number (0-11), hit Enter key: a1
Enter decimal number to insert, hit Enter key: 0.0
Sum and Average of entered numbers: Compute

THE NUMBER LIST:

0   0.0
1   0.0
2   0.0
3   0.0
4   0.0
5   0.0
6   0.0
7   0.0
8   0.0
9   0.0
10   0.0
11   0.0

Message

Illegal data entered for index in first textbox
Please try agian to choose the location in the array****
java.lang.NumberFormatException: For input string: "a1"
OK

Exception Handling Lab

Enter index number (0-11), hit Enter key: 2
Enter decimal number to insert, hit Enter key: 78AC3
Sum and Average of entered numbers: Compute

THE NUMBER LIST:

0   0.0
1   0.0
2   0.0
3   0.0
4   0.0
5   0.0
6   0.0
7   0.0
8   0.0
9   0.0
10   0.0
11   0.0

Message

Incorrect data tye entered
Please try again to enter a real number into the array
java.lang.NumberFormatException: For input string: "78AC3"
OK

Exception Handling Lab

Enter index number (0-11), hit Enter key: 15
Enter decimal number to insert, hit Enter key: 0.0
Sum and Average of entered numbers: Compute

THE NUMBER LIST:

0   0.0
1   0.0
2   0.0
3   0.0
4   0.0
5   0.0
6   0.0
7   0.0
8   0.0
9   0.0
10   0.0
11   0.0

Message

INVALID ARRAY INDEX
java.lang.IndexOutOfBoundsException: 15
OK

Exception Handling Lab

Enter index number (0-11), hit Enter key:
Enter decimal number to insert, hit Enter key:
Sum and Average of entered numbers: Compute

THE NUMBER LIST:

0   0.0
1   0.0
2   0.0
3   0.0
4   12.5
5   0.0
6   0.0
7   0.0
8   0.0
9   0.0
10   0.0
11   0.0

Number of entered decimal numbers is: 1
Sum of the entered numbers is: 12.5
Average of the entered numbers is: 12.5

Exception Handling Lab

Enter index number (0-11), hit Enter key:
Enter decimal number to insert, hit Enter key:
Sum and Average of entered numbers: Compute

THE NUMBER LIST:

0   0.0
1   0.0
2   0.0
3   0.0
4   12.5
5   34.09
6   0.0
7   0.0
8   0.0
9   0.0
10   0.0
11   0.0

Number of entered decimal numbers is: 2
Sum of the entered numbers is: 46.59
Average of the entered numbers is: 23.295