

The screenshot shows the NetBeans IDE with a Java program in the main editor. The program defines three test cases, each with a list of numbers, calculates the mean and standard deviation, and prints the results. The output window at the bottom shows the execution results for each test case.

```
66
67
68     System.out.println("Test 1:");
69     double avg1 = calculateMean(list1);
70     System.out.format("Mean: %.2f\n", avg1);
71     double stdDev1 = calculateStdDev(list1, avg1);
72     System.out.format("Std.Dev: %.2f\n", stdDev1);
73
74     System.out.println("*****");
75
76     System.out.println("Test 2:");
77     double avg2 = calculateMean(list2);
78     System.out.format("Mean: %.2f\n", avg2);
79     double stdDev2 = calculateStdDev(list2, avg2);
80     System.out.format("Std.Dev: %.2f\n", stdDev2);
81
82     System.out.println("*****");
83
84     System.out.println("Test 3:");
85     double avg3 = calculateMean(list3);
86     System.out.format("Mean: %.2f\n", avg3);
87     double stdDev3 = calculateStdDev(list3, avg3);
88     System.out.format("Std.Dev: %.2f\n", stdDev3);
89
90
91
92
93
94
95 }
```

Test Results:

```
Test 1:
Mean: 550.40
Std.Dev: 572.03
*****
Test 2:
Mean: 60.32
Std.Dev: 62.26
*****
Test 3:
Mean: 638.90
Std.Dev: 625.63
BUILD SUCCESSFUL (total time: 0 seconds)
```

The screenshot shows the NetBeans IDE with a Java program in the main editor. The program defines a list of numbers and prints them. The output window at the bottom shows the execution results for each test case.

```
1 Test 1
2 160
3 591
4 114
5 229
6 230
7 270
8 120
9 1657
10 624
11 1503
12
```

Test Results:

```
Test 1:
Mean: 550.40
Std.Dev: 572.03
*****
Test 2:
Mean: 60.32
Std.Dev: 62.26
*****
Test 3:
Mean: 638.90
Std.Dev: 625.63
BUILD SUCCESSFUL (total time: 0 seconds)
```

Program1 - NetBeans IDE 8.1

Test 2

```
1 Test: 2
2 15.0
3 69.9
4 6.5
5 22.4
6 28.4
7 65.9
8 19.4
9 198.7
10 38.8
11 138.2
12
```

Test Results

```
Test 1:
Mean: 558.40
Std.Dev: 572.03
*****
Test 2:
Mean: 60.32
Std.Dev: 62.26
*****
Test 3:
Mean: 638.98
Std.Dev: 625.63
BUILD SUCCESSFUL (total time: 0 seconds)
```

Program1 - NetBeans IDE 8.1

Test 3

```
1 Test: 3
2 186
3 699
4 132
5 272
6 291
7 331
8 199
9 1890
10 788
11 1601
12
```

Test Results

```
Test 1:
Mean: 558.40
Std.Dev: 572.03
*****
Test 2:
Mean: 60.32
Std.Dev: 62.26
*****
Test 3:
Mean: 638.98
Std.Dev: 625.63
BUILD SUCCESSFUL (total time: 0 seconds)
```