

Write a Java program to find top three maximum numbers and last three minimum numbers from the given list of numbers. The first input is a size of list. The second input is a list of number.

Hint: use **double** as datatype.

For example:

Input	Result
10 2.3 1 45.2 6.2 77.1 -470 490 -795 189 42	490.0 189.0 77.1 -795.0 -470.0 1.0
10 -39 234 -644 666 897 806 -313 969 245 -15	969.0 897.0 806.0 -644.0 -313.0 -39.0

	Input
✓	10 2.3 1 45.2 6.2 77.1 -470 490 -795 189 42
✓	10 -3.4 5.6 7 8 -33 806 -313 969 245 -15
✓	10 -39 234 -644 666 897 806 -313 969 245 -15
✓	20 -59 -19 75 -470 490 -795 189 42 -498 876 908 300 -41 957 337 36 883 -753 -989 960 -416 -648 895 -96 942 -43 -969 -6
✓	50 -338 -484 840 -386 495 57 238 -138 770 662 800 533 -51 -164 -108 -896 362 -823 -112 -854 -531 834 -761 -423 49 -54 81

	Expected	Got	
	490.0 189.0 77.1 -795.0 -470.0 1.0	490.0 189.0 77.1 -795.0 -470.0 1.0	✓
	969.0 806.0 245.0 -313.0 -33.0 -15.0	969.0 806.0 245.0 -313.0 -33.0 -15.0	✓
	969.0 897.0 806.0 -644.0 -313.0 -39.0	969.0 897.0 806.0 -644.0 -313.0 -39.0	✓
	960.0 957.0 908.0 -989.0 -795.0 -753.0	960.0 957.0 908.0 -989.0 -795.0 -753.0	✓
706 -224 804 -298 998 -172 657 -387 293 158 -445 228 -545 0 383 -650 614 256 -599	998.0 840.0 834.0 -896.0 -854.0 -823.0	998.0 840.0 834.0 -896.0 -854.0 -823.0	✓

Passed all tests! ✓