



# Practice Arena

Practice problems aimed to improve your coding skills.

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  - ❓ Overlapping Patterns
  - ❓ Lucky Draw
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# Lucky Draw

## LAB-PRAC-07\_LOOPS-ARR

**Lucky Draw [10 marks]**

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**Problem Statement**

You, along with your two best friends, go to a party, where a pile of 7 coupons is kept, one on top of the other. Each coupon has a unique non-negative integer number, which denotes how many gifts does someone win at the end of the party. You know that you and your friends will be the first to select the coupons, so you decide to cheat and keep the coupons with maximum, second maximum and third maximum at the top three places on the pile.

You will be given a list of 7 non-negative integers separated by a space as input. Write a code to find the position of the maximum element in the list, and swap it with the first element of the list. Then find the position of the second largest element of the list and swap it with the second element in the list. Finally, find the position of the third largest element in the list and swap it with the third element of the list. Output the resulting list with one space between two numbers. There should be no trailing spaces in your output.

**Caution**

1. Be careful about extra/missing lines and extra/missing spaces.
2. Be very careful, even though the evaluation may give you marks for extra spaces and newlines, the autograder will give you zero marks for any extra spaces or new lines.

**HINTS:**

1. You will require the use of arrays in this question.
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**EXAMPLE:****INPUT**

1 2 5 4 6 7 8

**OUTPUT:**

8 7 6 4 5 2 1

**Explanation:** The maximum element is 8, which gets swapped with the first element 1. The second maximum element is 7, which gets swapped with the second element 2. The third largest element is 6, which gets swapped with the third element 5.

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**Grading Scheme:**Total marks: **[10 Points]**

There will be no partial grading in this question. An exact match will receive full marks whereas an incomplete match will receive 0 points. Please be careful of missing/extra spaces and missing/lines (take help of visible test cases). Each visible test case is worth 1 point and each hidden test case is worth 2 points. There are 2 visible and 4 hidden test cases.

 **Start Solving! (/editor/practice/6140)**