

Input Output Questions Overview

Input Output Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Input Output Questions.

Input Output Questions

Directions: Study the following information carefully and answer the given questions. A word and number arrangement machine, when given an input line of words and numbers, rearranges them following a particular rule in each step. The following is an illustration of input and rearranging. Input 11 day 34 night 93 pace 27 easy 44 joy Step I 93 11 day 34 night pace 27 easy 44 joy Step II 93 11 34 night pace 27 easy 44 joy day Step III 93 44 11 34 night pace 27 easy joy day Step IV 93 44 11 34 night pace 27 joy day easy Step V 93 44 34 11 night pace 27 joy day easy Step VI 93 44 34 11 night pace 27 day easy joy Step VII 93 44 34 27 11 night pace day easy joy Step VIII 93 44 34 27 11 pace day easy joy night Step IX 93 44 34 27 11 day easy joy night pace And Step IX is the last step of the rearrangement as the desired arrangement is obtained. As per the rules followed in the above steps, find out in each of the questions the appropriate step for the given input. Input: class 25 war 15 race 73 heap 58 just 88 take 38

Question

What is the position of '15' in Step 'IX'?

Difficulty : Difficult

Average Time : 150 Seconds

Options :

1. Eighth from the right end
2. Fifth from the right end
3. Eighth from the left end
4. Seventh from the right end
5. Seventh from the left end

Solution

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The correct answer is **option 4** i.e **Seventh from the right end.**

After careful analysis of the given input and various steps of rearrangement, it is evident that in the first step the highest number is placed at the extreme left position, and in the second step, the word that comes first in alphabetical order is placed at the extreme right position.

In the next step, the second-highest number is placed in the second position from the left.

After that step, the word which comes second in alphabetical order is placed at the extreme right position.

These two steps are continued alternatively till all the numbers get arranged in the descending order from the left and all the words get arranged in alphabetical order after the numbers.

Input class 25 war 15 race 73 heap 58 just 88 take 38
Step I 88 class 25 war 15 race 73 heap 58 just take 38
Step II 88 25 war 15 race 73 heap 58 just take 38 class
Step III 88 73 25 war 15 race heap 58 just take 38 class
Step IV 88 73 25 war 15 race 58 just take 38 class heap
Step V 88 73 58 25 war 15 race just take 38 class heap
Step VI 88 73 58 25 war 15 race take 38 class heap just
Step VII 88 73 58 38 25 war 15 race take class heap just
Step VIII 88 73 58 38 25 war 15 take class heap just race
Step IX 88 73 58 38 25 15 war take class heap just race
Step X 88 73 58 38 25 15 war class heap just race take
Step XI 88 73 58 38 25 15 class heap just race take war

Clearly, the position of '15' in Step 'IX' is **seventh from the right end.**

Hence, the correct answer is **seventh from the right end.**