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Sequential Output Tracing Quiz Questions for LIC AAO, SBI PO Pre, IBPS PO Pre, IBPS Clerk Mains & SBI Clerk Mains Exams.

Set No 28

Directions: 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 rearrangement.

Input: Fable 76 Quibble 24 Terrible 54 Able 82 Gamble 65

Step1:82 Fable 76 Quibble 24 Terrible 54 Gamble 65 Able

Step2:Fable 82 76 Quibble 24 Terrible 54 Gamble Able 65

Step3:76 Fable 82 Quibble 24 Terrible 54 Able 65 Gamble

Step4:Quibble 76 Fable 82 Terrible 54 Able 65 Gamble 24

Step5:54 Quibble 76 Fable 82 Able 65 Gamble 24 Terrible

Step 5 is the final output.

Find the different steps of output using the above mentioned logic for the following input.

Input: Scientific 29 Majaestic 34 Fantastic 58 Hectic 77 Genetic 84

Questions :

1. What is the position of '58' in step 1?

- A. Fifth from the left end
- B. Sixth from the right end
- C. Seventh from the left end
- D. Fifth from the right end
- E. None of the above

2. In the final output, how many elements are there between the greatest and the smallest numbers of the given arrangement?

- A. Four
- B. Two
- C. Three
- D. Five
- E. None of the above

3. What is the sum of the numbers that fall between 'Scientific' and 'Majestic' in step 4?

- A. 118
- B. 137
- C. 119
- D. 84
- E. None of the above

4. Which of the following comes exactly between 'Scientific' and 'Hectic' in step 2?

- A. 58
- B. Majestic , 34 and Fantastic
- C. 34 and 58
- D. Fantastic
- E. None of these

5. Which of the following elements is second to the left of sixth element from right end in step 3?

- A. Genetic
- B. 29
- C. Scientific
- D. 77
- E. None of these

Correct Answers:

1	2	3	4	5
D	E	A	D	B

Common Explanations:

Change in Number: Change in numbers take place as per the ascending order of the sum of the digits until a single digit is obtained. The numbers are placed at alternate extreme ends starting from the extreme left end.

Change in Word: Change in words take place as per the ascending order of the number of letters in each word. The words are placed at alternate extreme ends starting from the extreme right end.

Note: Changes in word and number take place simultaneously in each step.

The given pattern:

Input: Fable 76 Quibble 24 Terrible 54 Able 82 Gamble 65

Step1:82 Fable 76 Quibble 24 Terrible 54 Gamble 65 Able

Step2: Fable 82 76 Quibble 24 Terrible 54 Gamble Able 65

Step3:76 Fable 82 Quibble 24 Terrible 54 Able 65 Gamble

Step4: Quibble 76 Fable 82 Terrible 54 Able 65 Gamble 24

Step5:54 Quibble 76 Fable 82 Able 65 Gamble 24 Terrible

Solution to the given input:

Input: Scientific 29 Majestic 34 Fantastic 58 Hectic 77 Genetic 84

Step1:29 Scientific Majestic 34 Fantastic 58 77 Genetic 84 Hectic

Step2:Genetic 29 Scientific Majestic 34 Fantastic 58 77 Hectic 84

Step3:58 Genetic 29 Scientific 34 Fantastic 77 Hectic 84 Majestic

Step4:Fantastic 58 Genetic 29 Scientific 34 Hectic 84 Majestic 77

Step5:34 Fantastic 58 Genetic 29 Hectic 84 Majestic 77 Scientific

Answers :

1. From the following output it is clear that '58' is fifth from the right end in step 1.

Step1 : 29 Scientific Majestic 34 Fantastic 58 77 Genetic 84 Hectic

Hence option D is correct.

2. From the following output it is clear that the greatest number of the arrangement is 84 and the smallest number is 29.

In the final output, there is only one element (Hectic) between them.

Step5 : 34 Fantastic 58 Genetic **29** Hectic **84** Majestic 77 Scientific

Hence option E is correct.

3. From the following output it is clear that sum of the numbers that come between Scientific and Majestic in step4 is $34+84 = 118$.

Step4 : Fantastic 58 Genetic 29 **Scientific** 34 Hectic 84 **Majestic** 77

Hence option A is correct.

4. From the following output it is clear that Fantastic is exactly between 'Scientific' and 'Hectic' in step 2.

Step2:Genetic 29 **Scientific** Majestic 34 **Fantastic** 58 77 **Hectic** 84

Hence option D is correct.

5. From the following output it is clear that 29 is second to the left of sixth element from right end in step 3.

Hence option B is correct.



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