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IBPS PO 2023

Sequential Output Tracing Quiz Questions for IBPS PO Pre, RRB Scale I Pre, SBI PO Pre, Canara Bank PO, Syndicate Bank PO, IBPS SO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Set No 32

Directions: A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in every step. The following is an illustration of input and rearrangement.

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Input: 79 create history 88 imagined 94 every 63 leader 96

Step I: 88 79 create history imagined 94 63 leader 96 every
Step II: 88 79 96 history imagined 94 63 leader every create
Step III: 88 79 96 history imagined 94 63 every create leader
Step IV: 88 79 96 94 imagined 63 every create leader history
Step V: 88 79 96 94 63 every create leader history imagined

Step V is the last step of the arrangement.

Following the same pattern solve the given input.

Input: never 42 leaved 39 important object 53 46 anyplace 74

1. How many steps will be required to complete the given input?

A. Three B. Seven C. Six D. Five E. Four

2. Which of the following steps will be last but one of the given input?

A. 39 74 46 53 important 42 never leaved object anyplace

B. 39 74 46 53 42 important never leaved object anyplace

C. 39 74 46 42 53 never leaved object anyplace important

D. 39 74 46 53 42 important never object leaved anyplace

E. None of these

3. Which of the following will be on the immediate right of 'Important' in step III?

A. Obje	ect	B. Never	C. 42	D. Anyplace	E. 53
4.	How many e	element(s) will be t	here between '74'	and 'leaved' in Ste	p IV?
A. Six		B. Four	C. Four	D. Five	E. Three

5. What is the position of 'Object' in step V?

- A. Third from right end
- D. Fourth from right end
- B. Second from left end E. None of these
- C. Seventh from left end

Correct Answers:

1	2	3	4	5
D	В	E	D	А

COMMON EXPLANATION:

Reference:

Input: 79 create history 88 imagined 94 every 63 leader 96 **Step I:** 88 79 create history imagined 94 63 leader 96 every

 Step I: 88 79 create history imagined 94 63 leader every create

 Step II: 88 79 96 history imagined 94 63 leader every create

 Step III: 88 79 96 history imagined 94 63 every create leader

 Step IV: 88 79 96 94 imagined 63 every create leader history Step V: 88 79 96 94 63 every create leader history imagined Step V is the last step of the arrangement.

Inference:

Here in the above input the numbers and the words are arranged in the different manner.

Arrangement of numbers:

Here the numbers are arranged as the number whose sum of the digits is highest is arranged on the extreme left in the Step I after that the number whose sum of the digits is second highest is arranged the right of the number arranged in step I.

Number	Digits Sum
88	16
79	16
96	15
94	13
63	9

As the digits sum of both '88' and '79' is same, then the highest number i.e. 88 will be arranged first.

Number	Arrangement Step	
88	Step I	
79	Step II	
96	Step III	
94	Step IV	
63	Step V	

As the arrangement of the numbers follows the left to right pattern therefore it might be possible that some numbers are arranged automatically.

Arrangement of words:

Here the words are arranged as the word having highest number of letters is arranged on the extreme left in the Step I after that the word having second highest number of letters is arranged the right of the word arranged in step I.

If the sum of the digits of two numbers is same then number which highest will be arranged first.



As the number of letters in both 'create' and 'leader' are same, then the word which comes first according to dictionary i.e. 'create' will be arranged first.

Word	Arrangement Step	
every	Step I	
create	Step II	
leader	Step III	
history	Step IV	
imagined	Step V	

As the arrangement of the words follows the right to right pattern therefore the number of steps required to complete the arrangement will not be not be less than the number of words in the given input.

Now, the given input:

Input: 79 create history 88 imagined 94 every 63 leader 96

Numbers:

Number	Digit Sum	Arrangement Step
39	12	Step I
74	11	Step II
46	10	Step III
53	8	Step IV
42	6	Step V

Words:

Word	Number of Letters	Arrangement Step
never	5	Step I
leaved	6	Step II
object	6	Step III
anyplace	8	Step IV
important	9	Step V

As the number of letters in both 'leaved' and 'object' are same, then the word which comes first according to dictionary i.e. 'leaved' will be arranged first. martkeeda

Arrangement:

Input: never 42 leaved 39 important object 53 46 anyplace 74 Step I: 39 42 leaved important object 53 46 anyplace 74 never Step II: 39 74 42 important object 53 46 anyplace never leaved Step III: 39 74 46 42 important 53 anyplace never leaved object Step IV: 39 74 46 53 42 important never leaved object anyplace **Step V:** 39 74 46 53 42 never leaved object anyplace important Step V is the last step of the arrangement.

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Answers:

1. Following the final solution we can say that five steps will be required to complete the given input.

Hence, the correct answer is option **D**.

2. Following the final solution we can say that '39 74 46 53 42 important never leaved object anyplace' will be the last but one.

Hence, the correct answer is option **B**.

3. Following the final solution we can say that '53' will be on the right of 'Important' in step III.

Hence, the correct answer is option E.

4. Following the final solution we can say that there are five elements between '74' and 'leaved' in Step IV.

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Hence, the correct answer is option **D**.

5. Following the final solution we can say that position of 'Object' will be third from right end in step V.

Hence, the correct answer is option **A**.

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