**Pointers-Recursion-File related problems**

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| **SL** | **Problem statement** | **Difficulty levels** |

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|  | WAP that will add two numbers using **pointers**.     |  |  | | --- | --- | | **Sample input** | **Sample output** | | 3 5 | 8 | | 5 9 | 14 | | \* |
|  | WAP that will find the maximum number between two numbers using a pointer.     |  |  | | --- | --- | | **Sample input (m,n)** | **Sample output** | |  |  | |  |  | | \* |
|  | WAP that will print the elements of an array without using index.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | | \* |
|  | WAP that will calculate the length of the string using pointers.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | | \* |
|  | WAP that will swap values of two variables using pointers.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | | \* |
|  | WAP that will count the number of vowels and consonants in a string using pointer.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | | \* |
|  | WAP that will compute the sum of all elements in an array using pointers.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | | \*\*\* |
|  | WAP that will print the elements of an array in reverse indexed order.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | | \* |
|  | WAP that will display numbers 1 to 10 using recursion.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | | \*\* |

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|  | WAP that will calculate the sum of numbers from 1 to n using recursion.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | | \*\* |
|  | WAP that will display Fibonacci Series using recursion.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | | \*\* |

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|  | WAP that will print the array elements using recursion.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | | \*\* |
|  | WAP that will count the digits of a given number using recursion.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | | \*\* |
|  | WAP that will get the largest element of an array using recursion.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | | \*\*\* |
| **15** | WAP that will print even or odd numbers in given range using recursion.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | |  |
| **16** | WAP that will check whether a given String is Palindrome or not.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | |  |
| **17** | WAP that will create and store the following information in the sample.txt text file.   |  | | --- | | 1 Zahid  2 Tanvir  3 Akif | |  |
| **18** | WAP that will read the sample.txt file created above.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | |  |
| **19** | WAP that will read and display content of the sample.txt file created above.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | |  |
| **20** | WAP that will count the number lines in a file.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | |  |
| **21** | WAP that will append multiple lines at the end of a text file.   |  |  | | --- | --- | | **Sample input** | **Sample output** | |  |  | |  |  | |  |