

Practice 31 – File Handling - 2D List/ Array

Use nums.txt to do next tasks:

The file has number of values in first line.

The next two lines have two set of values. Use following statement to read all values in the list.

```
list1 = list(map(int, file.readline().split()))
```

```
list2 = list(map(int, file.readline().split()))
```

Task 01: Read values in two lists. Create a new file "sum.txt", write number of values in the first line of new file. Sum values of two lists and write sum into a single line of new file. The resultant new file should be like:

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3 7 3 4 4 5 3 5 5 5 2 4 8 7 2 2 7 8 5 7 5 5 7 7 3

Task 02: Again create a new file "compare.txt". Store number of values in first line. Compare corresponding elements in two lists. For each comparison store 0 in the file, if elements are same, otherwise store 1. Write result of all comparisons in single line. The resultant new file should be like:

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0 0 0 1 0 0 0 0 0 0 1 1 1 0 1 1 0 1 0 0 0 0 0 0 0

Task 03: Create a new file ""compare1.txt". Store number of values in first line. Compare corresponding elements in two lists. For each comparison store >, if first list has larger value, store <, if first list has smaller value, otherwise store =. Write result of all comparisons in single line. The resultant new file should be like:

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