

Programming Assignment #1

Due Date: 20th August, 2021

Total Marks : 20

1. Write a shell program in sh.awk file that sorts a file on the left of the “*” mark.

dd	1	3	*	dd	1	3
mff	4	4	*	lgse	3	4
lgse	3	4	*	mff	4	4
zsw	6	6	*	dhd	4	5
dhd	4	5	*	zsw	6	6
a	8	8	*	a	8	8

Basically the numbers in the second and third columns are added to get the sorted order.

10

2. Write a script to generate randomized string generator from a given alphabet. The script takes an alphabet, count and length parameters as input. The strings are generated according to the following rules:

- The string shall have a length no more than the specified length.
- There may be any number of character substrings. However at no time the length of such a substring may exceed the count. So the count 4 and with alphabet a, b we may have any number of character strings like a, aa, aaa, b, bb, bbb appearing anywhere in the final string.
- There are 2 random number generators. The first one determines the character to be repeated and the second one determines the number of times it repeated.