## · CSE 221 - Assignment 01 - Explanation MD. AFFAN HOSSAIN TD: 22201936

Task 1 (a)

To solve this problem, took data from "in putsa. tet" and wonte the output in "output 1a. txt". For the first time used bitwise operation in any problem to some it.

## Task1& (b)

To solved this problem used split method to split the arma sentence into an arnay. Then compared the sign to do the nest of the alculation.

Task 2

As, It was intirstureted to create one input file and one output file for each problem. I put two given input in one file and take them as testase. In bubble sont if the node is inside inner loop doesn't occur for one occurrence as a the outer loop, that means fre annay is sonted. That's how gain O(n) in best case.

## Task 3

In my unouledge, gelection minimum number of swups. nesult selection sont is gwaping algorithm the scerario.

Task 9

To some this problem I took the bubble sont algorithm. Here sont this data set based on three criteria. Bar As Bubble sont is a stuble sonting algorithm, it eliminates one of the criteria by default.