Task 1a- 1200

The first input is the number of manube integers for which we need to define if its odd or eren. We initiate a loop pread the files accordingly using proper syntax and that input number, turn; it into an integer form and eventually write it inside another outputs file. Fort Boo Bliss

rong timesas Task Jib ent tipe binitiate à 100p (after reading the first line for every riferation, we read lines, split the silines and according to the middle element We do our operations? 3d out

Task-2 Nan

For any sorting algorithm, the best case is when the variage is already sorted. Here to use buble sort for the best case, we need to initiate a flag. It for the dirst iteration stre condition of inner loop never fulfills then, we can exily say that the arraynois abready sorted and we don't change the flag. Frontyally, if the flag doesn't change, men we can easity interment from there. The Hime complexity will be rolln) for the best case. Bribiasion by

Task-3

We can form a dictionary using the marks as keys. We sort the keys in a descending order in a different. list. Then, for looping the key-list, we ascend the id list for corresponding key value pair, and iterate over to write our output.

Tas k-4

A dictionary is made to store the name as keys and splitted strings as values. The keys are strong sorted in a different list. Corresponding values are iterated using the sorted key-array. Meanwhile, those splitted element's last values were replaced by actual itegers from string. Using those numbers and index we sort all the values in ado a descending order in that array. Eventually, we write our output accordingly.