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Assignmen 1 code explanation

CSE 221; section: 16

data = inpt. readlines

for i in rose (fotal intrumber):

of fren:

write it in the output file as even

eles:

write it in the output file as odd

## Tosk 15'-

first boild a small calculate function.

Which will take to three parameters.

First two one number, thind one is a

String; for the sign.

then after reading the most till data; split it and passing to the function and writing it on the output.

the souled function is a normal bable tunction; but it has nome litt changed for the best care renario. that it won't be the loop would break when the list & became sint we and a flag; nortials The We can see in line eleven we are comparing the numbers. if there is 11 number line condition is frue flog tunns to false in tidge

But for the best case, when the 11 th line condition will never be true the flag will remain True. So; after in the complitation of that specific travarsal; in 14th line donted== condition will be true; then it will be break from the entire loop.

Thus it is efficient for the best case sonario. Some some some fire

so aff for completing condition as I dille

OI with 10

Task 3: mehon Min mortismer out I se Here from the hint we understand that we will have to me relection ront. evil 11

now; there are 3 steps.

1. sort the marks

2. while sorting replace the index number of the list which contains ID

3. if two numbers are same compare it with ID

So att for completing condition of we we normal relection nort. while

eve map we not only map the elements of Marks contained hist but also map the ID contained list thus we complete condition 3. in 13th line we chek it the two numbers are same on not. if same then we changed the index number by comparing with tae ID in line 14th So; I would mormal relation to that; replik reall data compre the To3 index.

Josk y rous only surge the dement Task 4
here we actually have to nort the data list; which we read from the input fills mothers stalands if were compare str-1 > str-2; pytion compilar modretures true edit the first string is lericograpeially larger than the necond string other wise it So; I usual normal relation fort In that; uplit back data and compre the IoJ index.

if index [0] is some then; I cheeked at the 10th line that the time is also some on not. if time is also some; then which input comes first will remain first. Sui as I used selection sont I didn't sorted the element it the Name and time both are rame. that's why in line 11th pass. from out if time is not same line 16 and 19 I temperal

splited and compared the time and sonded accordingly. if shine is also rome; then which ingul comes finst will remain first. Doi 05 I uned solvation son de at ti tremela est babrios trabiti Nome and time both are some. that's why in line 11th I was emor fan i met fi to nest line 16 and 19 I temperal