Lab-1

Explanation

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Task 1(a): Firstly I take the input from text file. Then I run a loop on the input by slicing the first element from input list the loop. Then I make each value into integer. Then I opened a output file. And check every value whether it is even. If it is even then it will show even as output otherwise odd.

Task 1(b): I took the input from text file and then I run a loop on the input by slicing the first element. Then Split I spread the element by (",") so that I can access every element. I make a function to do the calculation. So, So I send three arguments in the function then. And the function returned the calculated value. Then I write the output.

Task 2: Firstly I took the input from text. Then I took the first element to run the loop. And I insert all the values in an empty array. I took a flag to short the run time of the loop. And I wrote a condition to check whether the value of flag is updated or not. If its not updated that means the array is already sorted. Then I will break the loop.

Task 3: I took input from the text file. Then I made function to convert the values into integer and put the values in two ~~seperate~~ seperated array for id and marks. The I run a loop and took first id marks and id as max. Then I run a nested loop to compare all values with that max marks. If there is any max value then I swap the values. And I updated the max marks with its ~~corresp~~ respective id. Then I put the marks as key and ids as value in the dictionary. As there will be many ids containing same marks. So, I make a list in values. Then I run a loop on dictionary and run a nested loop to find the minimum value from the list. Then I show the output.

Task 4: First I ~~slicing~~ slice the function from second element to last. Then I run a loop two loop to compare the element. Then I split every element to access easily. I ~~took~~ two stone the name of the train. And I create a function to calculate the departure time. Then I put two condition two check the naming convention. and if the name is same then check the time and arrange the array by swaping their position. At the end I print all the element.