11 頭11 man's Palinear (Saathi) ALGIORITHM find-salary (object obj) Minput: Object of class Salary thorough which we will access its afteributes

1) output: net Salary and gross salary of employees NAME: find salary (object obj) for each employee (1 to 2000):

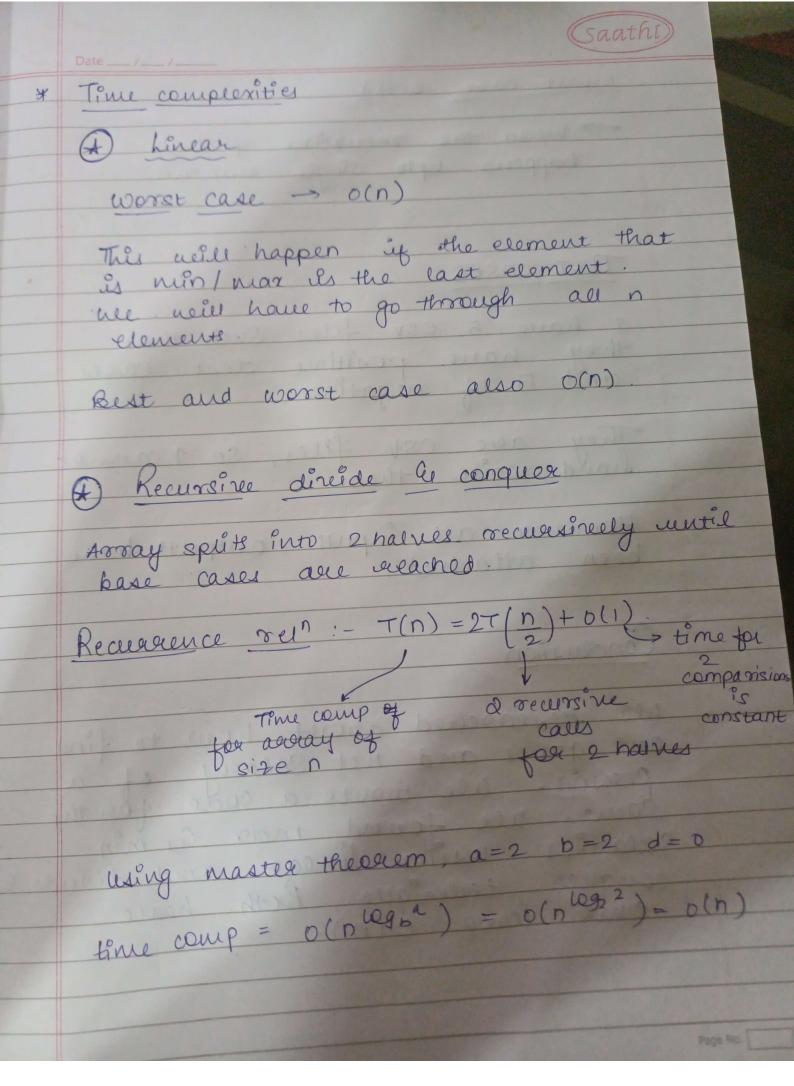
gross_salary = S. basic_salary + S. bonus

+ S. HRA + S. TA + S.PF // HRA is House vent allowance. net_salary = gross_salary - TD8 - PPF - all applicable deductions. vetern net_Salangy[]', ALGIORITM min max (net_salary [], low, high) Minput: acceay of not salacies, low ce high l'output: min and max salaries NAME: min max (ret - salary [], low, high)

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11 Direide
  mid = (ow + Wgh)/2
  min, max = min-max (aver, low, mid)
 11 Conquer
  min2, maz ? = min - max (ager, mid+1, high)
  oucceal - min = min (min1, min2)
 Querall - max = max (max), max2)
 veturn overall min, overall-max;
ALGIORITHM min-max (not-salarys[])
     (iterative)
Minput: alex of net salaries
NAME min-max ( net-Salary [])
initialite min = net_salary[o]
           max = net_salaxy[0]
 for i ferom (1 to 2000) -> (1xm)

if (net_salary[i] < min)

min = net_salary[i]
        if (net_ salary[i] > man)
man = net_salary[i]
  return min, max
```



worst case o(n) when the recursive splitting happens upto single elements TEST-CASES I have 5 CSV files Such that they have positive test cases and 5 of negative. They are CSV files, so I cannot hand - write them. However all input ; outputs have been attached. Conclusion ule researched about how to find out gross and net Salary of a person. Ule wrote a code for the Same. Ule found max Germin Salaries using linear and divide & conquer technique. Both have time comp o(n).