It is an application for the city power company to store calculated charge amounts for multiple customers in a **file**.

For each customer it stores the following data:

* AccountNo-a positive integer value
* CustomerName- a non-empty string
* CustomerType- a single character string that can be **R, C or I**
* ChargeAmount- a numeric value calculated according to the following formula:
* Residential: $6 plus$0.052 for each kWh (even when it’s zero)
* Commercial: Flat rate of $60.00 for the first 1000 kWh (even zero) and 0.045 for each additional kWh
* Industrial:
* Peak hours: Flat rate of $76.00 for the first 1000 kWh and $0.065 for each additional kWh
* Off-peak hours: Flat rate of $40.00 for the first 1000 kWh and $0.028 for each additional kWh

At the end it displays the following statistics:

* The total number of customers
* The sum of charges for each customer type
* The sum of all charges