Computer Usage Report

A computer usage report is to be prepared. A program should be designed and coded in Python to produce the report.

Input consists of computer usage records that contain the customer’s name, the computer used, and the number of minutes of computer time used. The input data is shown below.

|  |  |  |
| --- | --- | --- |
| CUSTOMER | COMPUTER | MINUTES |
| COMPUTEK | IBM Z-15 | 119 |
| SAVMOR | HP NonStop | 121 |
| BIT\_BYTE | IBM Z-14 | 207 |
| X\_ELECTO | IBM Z14 | 107 |

Output is a computer usage report containing the customer name, the computer used, the minutes used, and the charge for computer time. The charge for the first 2 hours (120 minutes) is 99 cents per minute. For computer usage in excess of 2 hours, the charge is 99 cents per minutes for the first 2 hours, and 86 cents per minute for each minute in excess of 2 hours. After all records have been processed, the total number of customers, the total minutes of computer time used, and the total charges should be displayed. The format of the output is illustrated below.

|  |  |  |  |
| --- | --- | --- | --- |
| COMPUTE USAGE | | | |
| CUSTOMER | COMPUTER | MINUTES | CHARGE |
| COMPUTEK | IBM Z-15 | 119 | $ 117.81 |
| SAVMOR | HP NonStop | 121 | $119.66 |
| BIT\_BYTE | IBM Z-14 | 207 | $193.62 |
| X\_ELECTO | IBM Z-14 | 107 | $105.93 |
|  | | | |
| TOTAL CUSTOMERS 4 | | | |
| TOTAL COMPUTER TIME 554 MINUTES | | | |
| TOTAL CHARGES $ 537.02 | | | |