1. Create a **console application in C#** that reads the contents of file **BillFile.xml**
2. **Parses** its contents and **writes out a file** in the format specified in doc **BillsOutput.txt.**
3. Please name the export file **BillFile-mmddyyyy.rpt**

The values for the fields in square brackets should either be populated from the file, a constant variable referenced in the table below, or be the result of a calculation from values in the file. **Fields not existing in the file spec should be omitted from the output file.**

The file follows the following kvp format:

FieldID~FieldValue|

|  |  |
| --- | --- |
| FieldID | Value/Reference |
| 2 | 8203ACC7-2094-43CC-8F7A-B8F19AA9BDA2 |
| 5 | Count of IH records |
| 6 | SUM of BILL\_AMOUNT values |
| JJ | 8E2FEA69-5D77-4D0F-898E-DFA25677D19E |
| OO | 5 days after the current date |
| PP | 3 days before the Due Date (MM) |

\*All dates should be in format MM/DD/YYYY

\*Number fields do not require commas

\*File Header record appears once per file

\*AA record appears once per bill

\*HH record appears once per bill

1. **Create a routine in C#** that reads the contents of **BillFile.rpt** and **imports the data into the** attached access **database**, **Billing.mdb**, into the corresponding tables and fields.
2. **Create a routine in C#** that **connects** to the “Billing” database, **retrieves** the contents of both tables and exports the records **associated with an account** in a **CSV formatted file**, outlined in the attached BillingReport.txt. File should include a header and one line per unique customer record and any bills associated to that customer.

Please submit the C# project and solution along with a BillFile-mmddyyyy.rpt file, and updated Billing.mdb and BillingReport.txt files.

BillOutput.txt Breakdown

|  |  |  |
| --- | --- | --- |
| **File Header** | **Bill Info** | Sample Output |
| 1~FR 2~[CLIENT\_GUID] 3~Sample UT file 4~[CURRENT\_DATE] 5~[INVOICE\_RECORD\_COUNT] 6~[INVOICE\_RECORD\_TOTAL\_AMOUNT] | AA~CT BB~[ACCOUNT\_NUMBER] VV~[CUSTOMER\_NAME] CC~[ADDRESS\_1] DD~[ADDRESS\_2] EE~[CITY] FF~[STATE] GG~[ZIP] HH~IH II~R JJ~[INVOICE\_FORMAT] KK~[INVOICE\_NUMBER] LL~[BILL\_DATE] MM~[DUE\_DATE] NN~[BILL\_AMOUNT] OO~[FIRST\_NOTIFICATION\_DATE] PP~[SECOND\_NOTIFICATION\_DATE] QQ~[BALANCE\_DUE] RR~[CURRENT DATE] SS~[SERVICE\_ADDRESS] | AA~CT BB~[HY\VG19] VV~[ArkDun, Zora] CC~[5 NEW ROAD] DD~[] EE~[HOUSTON] FF~[TX] GG~[77004] HH~IH II~R JJ~[8E2FEA69-5D77-4D0F-898E-DFA25677D19E] KK~[00045125] LL~[ Jann-15-2019] MM~[ Nov-16-2019] NN~[70.60] OO~[Nov-9-2020] PP~[Jann-12-2019] QQ~[41.37] RR~[Nov-4-2020] SS~[] |

