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| [Company Name]  [Company Slogan]  [Company Address]  Phone [Phone Number]  Fax [Fax Number] | INVOICE |
| Invoice #[100]  Date: [Pick the date] |

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| --- | --- |
| To:  [Name]  [Company Name]  [Street Address]  [City, ST ZIP Code]  [Phone Number] | Ship To:  [Name]  [Company Name]  [Street Address]  [City, ST ZIP Code]  [Phone Number] |
| Comments or special instructions:  [Your comments] | |

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| SALESPERSON | P.O. NUMBER | REQUISITIONER | SHIPPED VIA | F.O.B. POINT | TERMS |
|  |  |  |  |  | Due on receipt |

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| QUANTITY | DESCRIPTION | | UNIT PRICE | TOTAL |
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| SALES TAX | |  |
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| TOTAL due | |  |

Table 1 Database Design Analysis

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| --- | --- | --- | --- |
| Techniques | | PROS | CONS |
| In-Memory Database | | Fast query performance | Data size scales memory size |
| Data Cube | | Fast performance  Aggregation Query | Data dimension scalability  Pre-Computing  Lack of drill down query |
| Incremental Query | | Fast performance  reduction | Approximated query results |
| Data Reduction | Sampling Modeling | Fast performance  reduction | Pre-knowledge of the data  Pre-computing |
| Filtering | Ad hoc query | In-place computing |
| Aggregation | Fast performance  reduction | Lack of drill down query  Pre-computing |

In our architecture, the data size is limited by GPU memory capability. To feed more data into GPU memory, we preprocess the data into compressed binary format.

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| SALESPERSON | P.O. NUMBER | REQUISITIONER | SHIPPED VIA | F.O.B. POINT | TERMS |
|  |  |  |  |  | Due on receipt |