**Developing ETL pipeline Using Ab initio components-**

**Components Used in this pipeline-**

1. Input file
2. Reformat
3. Sort
4. Output file

**Step 1-**

Source Data Extraction- Considered input data in form of text file having fixed length record format-

**Component used-input file**

Record format for input file including all columns with datatypes-

record

decimal(3) cust\_id; /\* Enter your record definition here\*/

string(15) name;

decimal(2) age;

string(15) city;

decimal(4) bill;

end;

**Step 2-**

Data Transformation& Sorting- Using Reformat component transformations can be performed where data can be transformed and cleaned for better results.

**Components used-Reformat, Sort**

Reformat component-

Reformat component will have parameters including where transform parameter used to write logic to perform transformations.

Reformat transform logic-

out::reformat(in) =

begin

out.\*::in.\*;

out.name::string\_upcase(in.name);

out.bill::if(in.bill>=2000)(in.bill-in.bill\*0.1) else in.bill;

end;

Above transform involves converting a column data to Upper Case and discount on bill amount if amount is more than 2000.

Sort component-

Using sort component, we can use sort data based on the particular column that we want to sort data based on key.

**Step 3-**

Loading Data to Output-Loaded transformed data into output file.

**Component used-Output file**

Record format for the output file-

record

// Enter your record definition here

decimal(3)cust\_id;

string(15)name;

decimal(2)age;

string(15)city;

decimal(4)bill;

end;

**Ab initio ETL pipeline-**

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AI-generated content may be incorrect.