

Name : Rushikesh Daund

## Assignment no 4

### 1. Import data from file to new table.



InputJEData.csv

- Use above table as input for next operations.

### Output

The screenshot shows the Oracle SQL Developer interface. The 'Query Result' window displays the following data:

	BUSINESSUNIT	CREDITAMOUNT	DEBITAMOUNT	DEBITCREDITINDICATOR	ACCOUNTINGDATE	CREATEDDATE	FISCALPERIOD	RECORDID	NAME
1	Demo_Company_1	9559.71837	0	Credit	1.54887E+12	1.59533E+12	2019 - 01	129793879	PERIOD_CASHENTRY
2	Demo_Company_1	0	9559.71837	Debit	1.54887E+12	1.59533E+12	2019 - 01	129793880	PERIOD_CASHENTRY
3	Demo_Company_1	0	0	Debit	1.54887E+12	1.59533E+12	2019 - 01	129794080	840 - Recognize Lease Incentive
4	Demo_Company_1	0	0	Credit	1.54887E+12	1.59533E+12	2019 - 01	129794081	840 - Recognize Lease Incentive
5	Demo_Company_1	9559.71837	0	Credit	1.54887E+12	1.59533E+12	2019 - 01	129794021	PERIOD_CASHENTRY
6	Demo_Company_1	0	9559.71837	Debit	1.54887E+12	1.59533E+12	2019 - 01	129794022	PERIOD_CASHENTRY
7	Demo_Company_1	0	10000	Debit	1.54887E+12	1.59533E+12	2019 - 01	129793902	840 - Record AP Clearing Entry
8	Demo_Company_1	10000	0	Credit	1.54887E+12	1.59533E+12	2019 - 01	129793903	840 - Record AP Clearing Entry
9	Demo_Company_1	0	0	Debit	1.54887E+12	1.59533E+12	2019 - 01	129793938	840 - Recognize Lease Incentive

1. Create/populate DTO table with table from #1.(Same table structure) Perform below operations

- exclude records with amount = 0 (CREDITAMOUNT or DEBITAMOUNT should have value)
- Exclude records which has negative SYS\_OBJECTID.
- Roundup DEBITAMOUNT and CREDITAMOUNT up to 3 decimals.
- Convert date columns from Milliseconds to date
  - i. ACCOUNTINGDATE, CREATEDDATE
- Add new computed column AMOUNT which will have value either from DEBITAMOUNT OR CREDITAMOUNT (Whichever has value).
- Add new column to table isValid,
  - i. Update isValid = FALSE if any of below columns don't have any value.
    1. BUSINESSUNIT, FISCALPERIOD, STATUS, LEASEID, TRIGGERSUBTYPE, DEBITCREDITINDICATOR
  - ii. Update isValid = FALSE if Sum of debit not matches with sum of credit at lease(LEASEID) level

The screenshot shows the Oracle SQL Developer interface. The 'Connections' pane on the left shows a connection to 'Rushkesh'. The 'Query Builder' pane shows a query with the following SQL:

```
delete from emp where emp_id=01;
SELECT * FROM emp;
Select * from ROSHI;
select * from rushi where CREDITAMOUNT != 0 or DEBITAMOUNT != 0;
rollback;
```

The 'Query Result' pane shows the results of the query, displaying 50 rows. The columns are: BUSINESSUNIT, CREDITAMOUNT, DEBITAMOUNT, DEBITCREDITINDICATOR, ACCOUNTINGDATE, CREATEDDATE, FISCALPERIOD, RECORDID, and NAME. The data includes various entries for Demo\_Company\_1 and Demo\_Company\_2, with amounts and dates.

BUSINESSUNIT	CREDITAMOUNT	DEBITAMOUNT	DEBITCREDITINDICATOR	ACCOUNTINGDATE	CREATEDDATE	FISCALPERIOD	RECORDID	NAME
1 Demo_Company_1	9559.71837	0 Credit		1.54887E+12	1.59533E+12	2019 - 01	129793879	PERIOD_CASHENTRY
2 Demo_Company_1	0	9559.71837 Debit		1.54887E+12	1.59533E+12	2019 - 01	129793880	PERIOD_CASHENTRY
3 Demo_Company_1	9559.71837	0 Credit		1.54887E+12	1.59533E+12	2019 - 01	129794021	PERIOD_CASHENTRY
4 Demo_Company_1	0	9559.71837 Debit		1.54887E+12	1.59533E+12	2019 - 01	129794022	PERIOD_CASHENTRY
5 Demo_Company_1	0	10000 Debit		1.54887E+12	1.59533E+12	2019 - 01	129793902	840 - Record AP Clearing Entry
6 Demo_Company_1	10000	0 Credit		1.54887E+12	1.59533E+12	2019 - 01	129793903	840 - Record AP Clearing Entry
7 Demo_Company_1	0	10000 Debit		1.54887E+12	1.59533E+12	2019 - 01	129794044	840 - Record AP Clearing Entry
8 Demo_Company_1	10000	0 Credit		1.54887E+12	1.59533E+12	2019 - 01	129794045	840 - Record AP Clearing Entry
9 Demo_Company_1	0	9838.05 Debit		1.54887E+12	1.59592E+12	2019 - 01	129803281	840 - Recognize Monthly Depreciation
10 Demo_Company_1	9838.05	0 Credit		1.54887E+12	1.59592E+12	2019 - 01	129803282	840 - Recognize Monthly Depreciation
11 Demo_Company_1	0	9838.05 Debit		1.54887E+12	1.59533E+12	2019 - 01	129794250	840 - Recognize Monthly Depreciation
12 Demo_Company_1	9838.05	0 Credit		1.54887E+12	1.59533E+12	2019 - 01	129794251	840 - Recognize Monthly Depreciation

Oracle SQL Developer: Rushikesh

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Connections

Oracle Connections

Rushikesh

Tables (Filtered)

DTO

EMP

EMP\_ID

EMP\_NAME

EMP\_SAL

EMP1

RUSHI

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Welcome Page

Rushikesh

Import-inputfile-csv-bad\_2022.05.12-14.45.45.sql

EMP

Worksheet

Query Builder

```
Select * from RUSHI;

select * from rushi where CREDITAMOUNT != 0 or DEBITAMOUNT != 0;

select SYS_OBJECTID from rushi;
rollback;

select round(DEBITAMOUNT,3) as debit_amount , round(CREDITAMOUNT,3) as credit_amount from rushi;
```

Script Output

Query Result

SQL | Fetched 100 rows in 0.092 seconds

	DEBIT_AMOUNT	CREDIT_AMOUNT
1	0	9559.718
2	9559.718	0
3	0	0
4	0	0
5	0	9559.718
6	9559.718	0
7	10000	0
8	0	10000
9	0	0
10	0	0
11	0	0
12	0	0
13	10000	0

Saved: Rushikesh

Line 19 Column 1 | Insert | Modified | Windows: Q

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Oracle SQL Developer: Rushikesh

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Connections

Oracle Connections

Rushikesh

Tables (Filtered)

DTO

EMP

EMP\_ID

EMP\_NAME

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Rushikesh

Import-inputfile-csv-bad\_2022.05.12-14.45.45.sql

EMP

Worksheet

Query Builder

```
Select * from RUSHI;

select * from rushi where CREDITAMOUNT != 0 or DEBITAMOUNT != 0;

select SYS_OBJECTID from rushi;
rollback;

select round(DEBITAMOUNT,2) as debit_amount , round(CREDITAMOUNT,2) as credit_amount from rushi;
```

Script Output

Query Result

SQL | Fetched 100 rows in 0.074 seconds

	SYS_OBJECTID
1	129793879
2	129793880
3	129794080
4	129794081
5	129794021
6	129794022
7	129793902
8	129793903
9	129793938
10	129793939
11	129793920
12	129793921
13	129794044

Saved: Rushikesh

Line 16 Column 1 | Insert | Modified | Windows: Q

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Oracle SQL Developer: Rushikesh

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Connections

- CREDITPROCEDURE
- DATAA
- DAUND
- PARAM1
- EXCLUDE\_VALUE
- GETDATA
- GETDATAOT
- GETDATAOT00
- GETPRODUCTDESC
- KIRAN\_READ\_CSV
- MIN\_CREDIT
- NON\_ZERO\_VALUE
- NONZERO
- PATOLEPROCEDURE
- PRO1

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- Data Modeler Reports
- OLAP Reports
- TimesTen Reports
- User Defined Reports

Welcome Page | Rushikesh | 1.00300002 seconds

Worksheet | Query Builder

```
select * from rushi;  
  
DELETE FROM rushi WHERE SYS_OBJECTID<0;  
SELECT SYS_OBJECTID FROM rushi;
```

Script Output | Query Result | 100 rows in 0.1 seconds

SYS_OBJECTID
1 129793879
2 129793880
3 129794080
4 129794081
5 129794021
6 129794022
7 129793902
8 129793903
9 129793938

Messages - Log

Messages | Logging Page | Statements

Line 5 Column 32 | Insert | Modified | Windows: C

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Oracle SQL Developer: Rushikesh

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Connections

- CREDITPROCEDURE
- DATAA
- DAUND
- PARAM1
- EXCLUDE\_VALUE
- GETDATA
- GETDATAOT
- GETDATAOT00
- GETPRODUCTDESC
- KIRAN\_READ\_CSV
- MIN\_CREDIT
- NON\_ZERO\_VALUE
- NONZERO
- PATOLEPROCEDURE
- PRO1

Reports

- All Reports
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Welcome Page | Rushikesh | 0.51200002 seconds

Worksheet | Query Builder

```
select * from rushi;  
  
DELETE FROM rushi WHERE SYS_OBJECTID<0;  
SELECT SYS_OBJECTID FROM rushi;  
  
update rushi set accountingdate = to_date('01/01/1997 00:00:00','DD/MM/YYYY HH24:MI:SS')+(rushi.ACCOUNTINGDATE/1000/60/60/24);  
SELECT ACCOUNTINGDATE FROM rushi;
```

Script Output | Query Result | Query Result 1 | 50 rows in 0.025 seconds

ACCOUNTINGDATE
1 30-JAN-46
2 30-JAN-46
3 30-JAN-46
4 30-JAN-46
5 30-JAN-46
6 30-JAN-46
7 30-JAN-46
8 30-JAN-46
9 30-JAN-46

Messages - Log

Messages | Logging Page | Statements

Saved: Rushikesh | Line 8 Column 33 | Insert | Windows: C

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- 3 Create/populate aggregated table with data from table created in #2 with isValid=TRUE.
  - List of Expected Columns
    - i. BUSINESSUNIT, FISCALPERIOD, STATUS, TRIGGERSUBTYPE, DEBITCREDITINDICATOR, DEBITAMOUNT, CREDITAMOUNT, AMOUNT
  - Aggregate/group records based on columns
    - i. BUSINESSUNIT, FISCALPERIOD, STATUS, TRIGGERSUBTYPE, DEBITCREDITINDICATOR
  - Calculate sum of CREDITAMOUNT and DEBITAMOUNT based on aggregation criteria.
  - add new column to table isValid,
    - i. Update isValid = FALSE If sum of DEBITAMOUNT does not matches sum of CREDITAMOUNT for its respective aggregated record.

