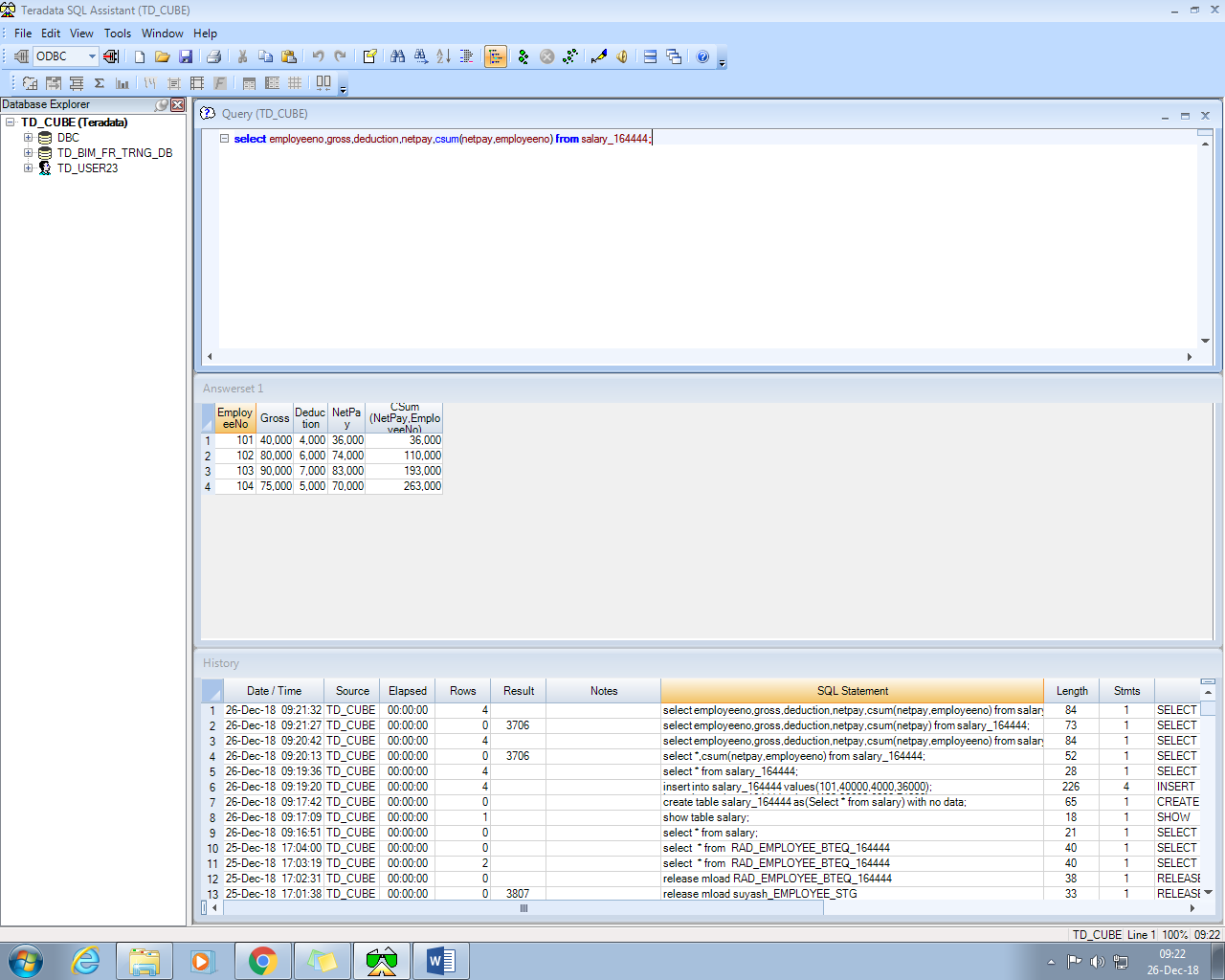
**MODULE 3 - TERADATA**

**Q1.**

**Query –**

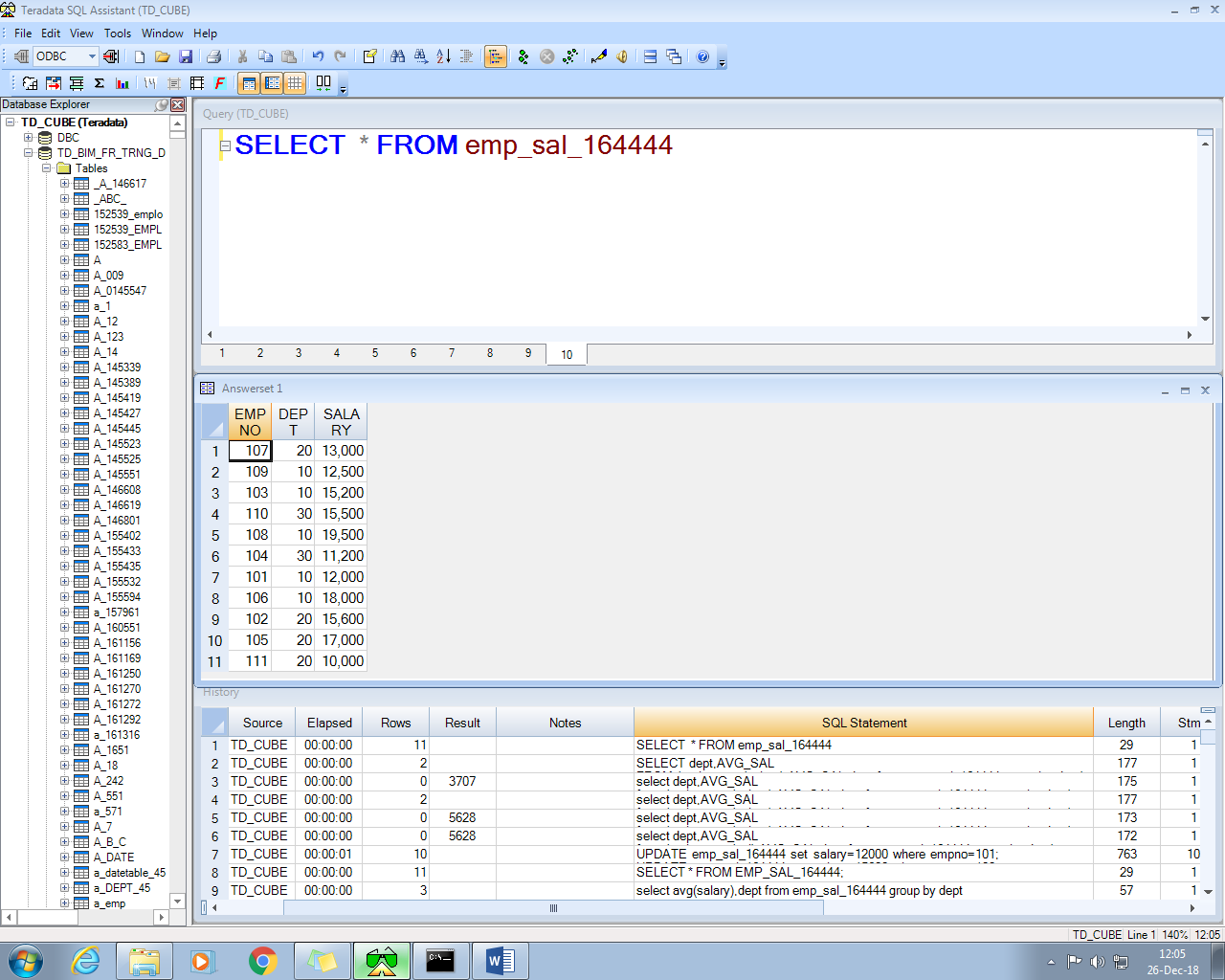
**select** employeeno,gross,deduction,netpay,csum(netpay,employeeno) **from** salary\_164444**;**

**OUTPUT-**



**Q2.**

**Data in table**



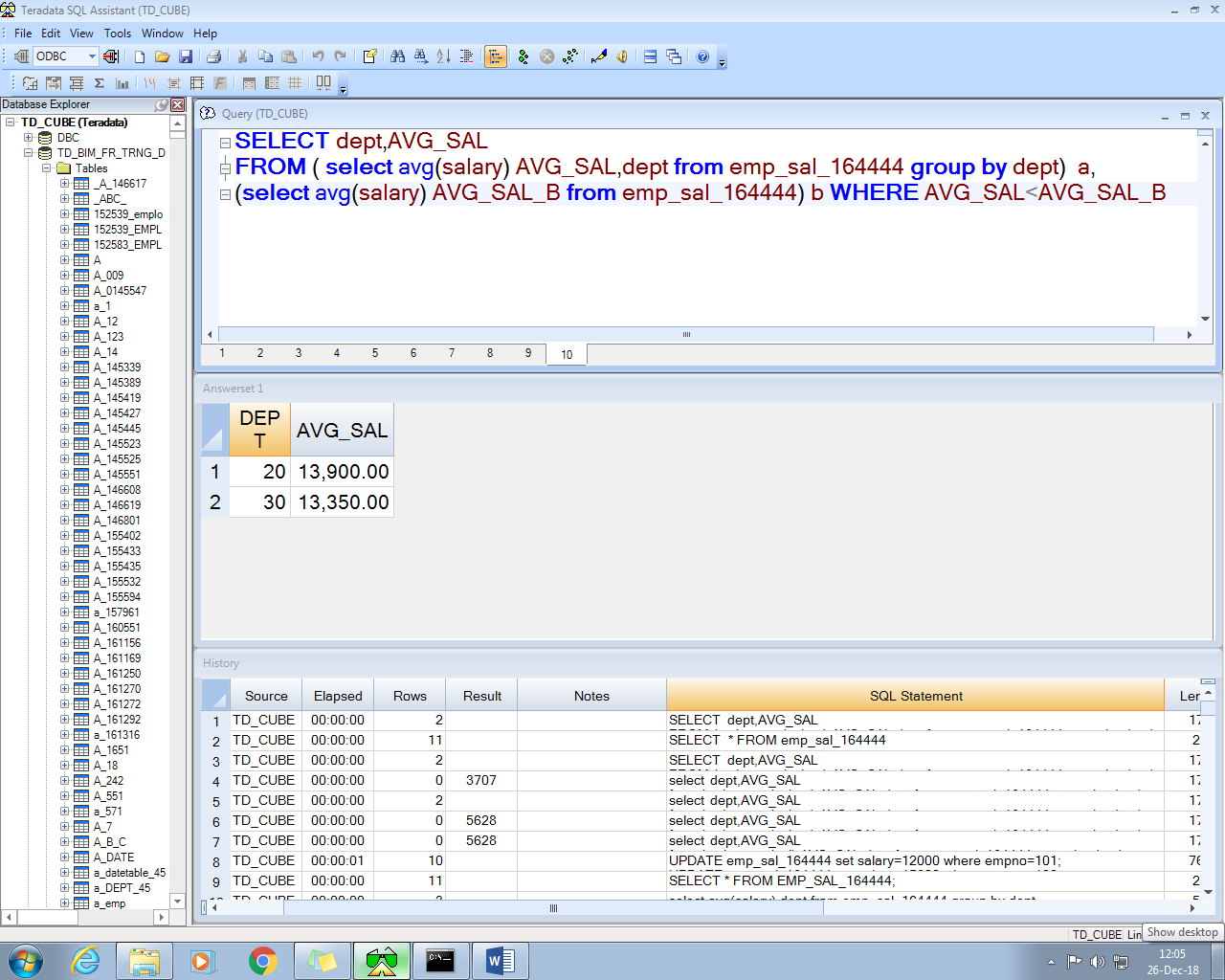
**Query-**

**SELECT** dept,AVG\_SAL

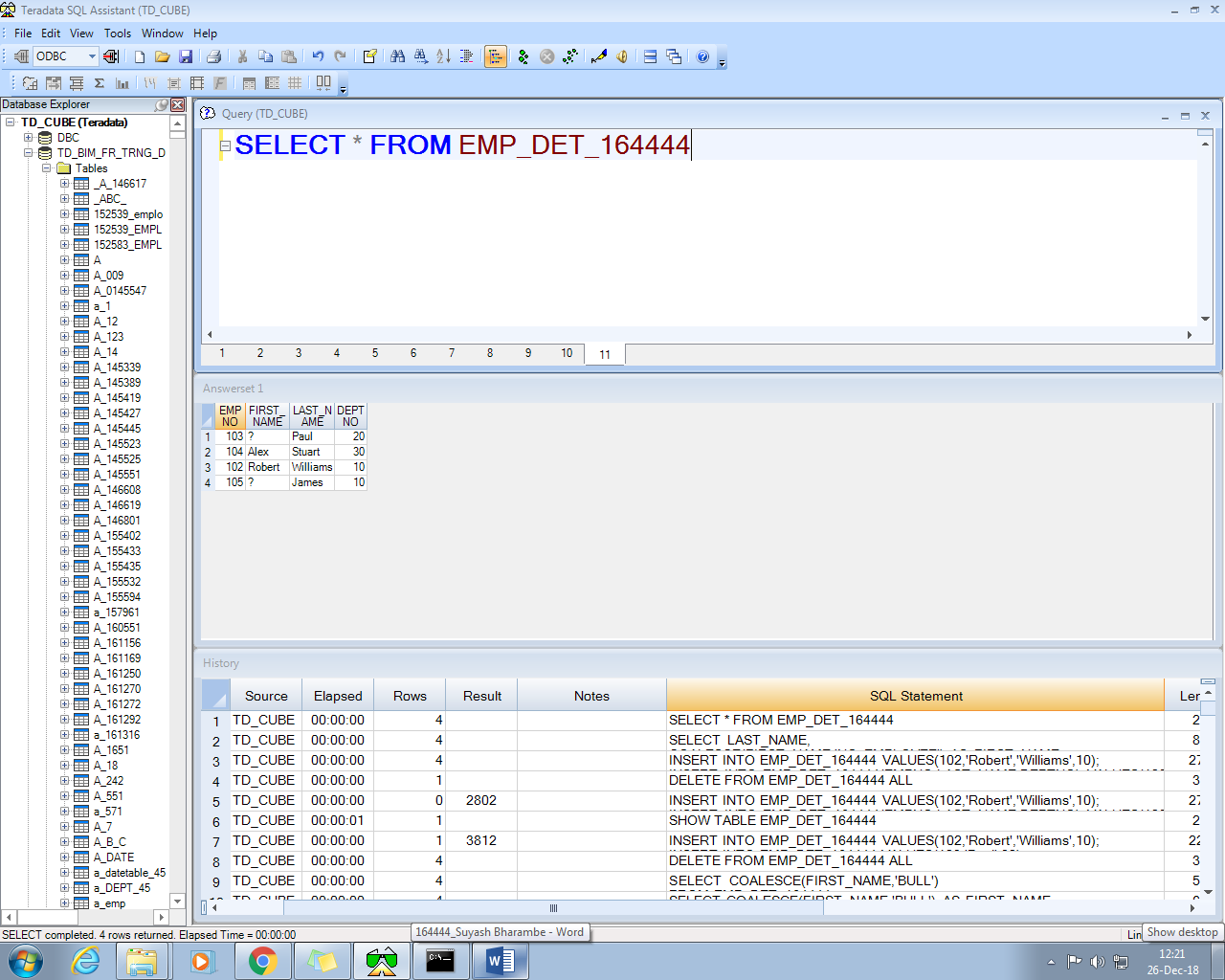
**FROM** ( **select** avg(salary) AVG\_SAL,dept **from** emp\_sal\_164444 **group** **by** dept) a,

(**select** avg(salary) AVG\_SAL\_B **from** emp\_sal\_164444) b **WHERE** AVG\_SAL<AVG\_SAL\_B

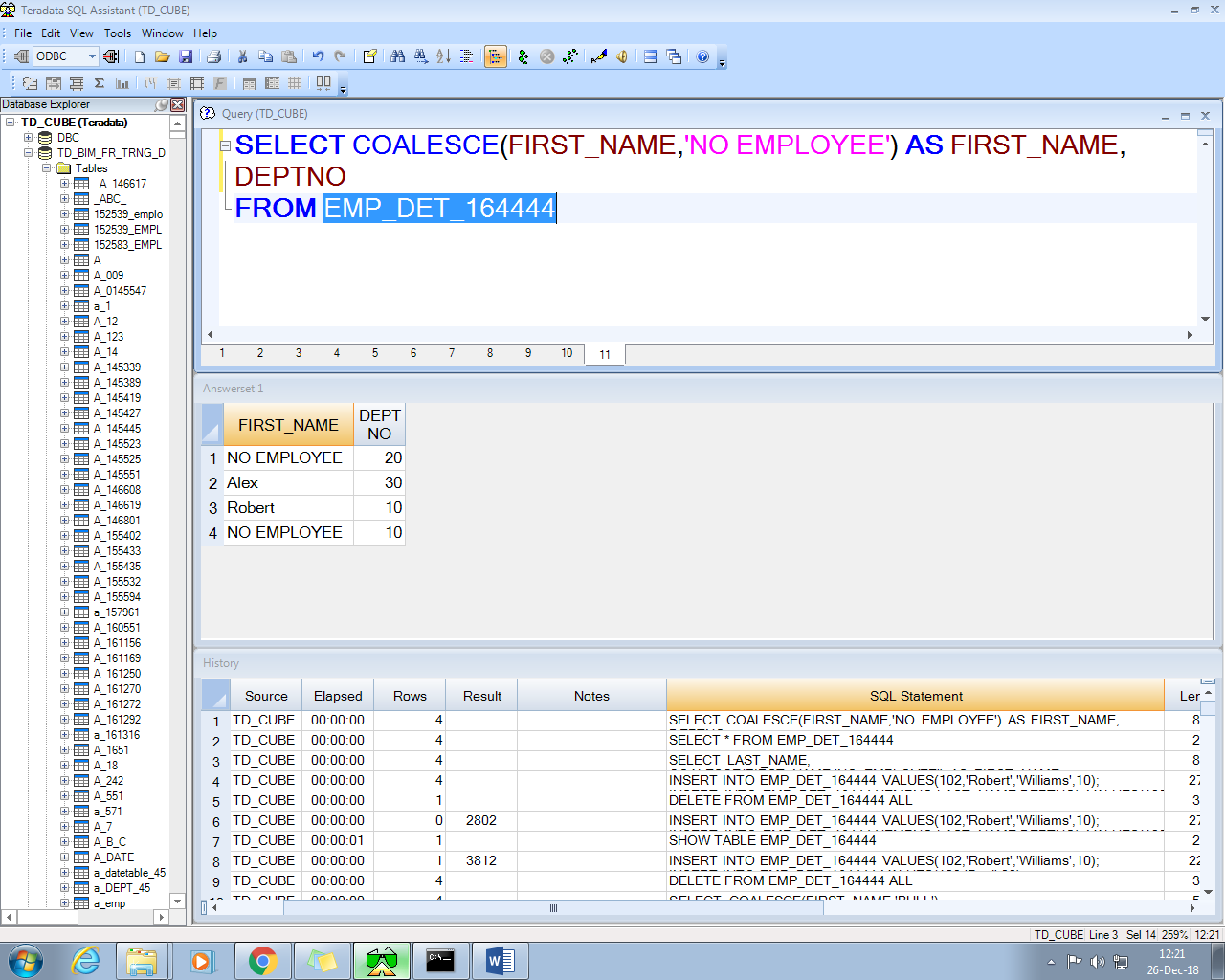
**Output-**



**Q3.**



**OUTPUT**



**Q4.**

**1.**

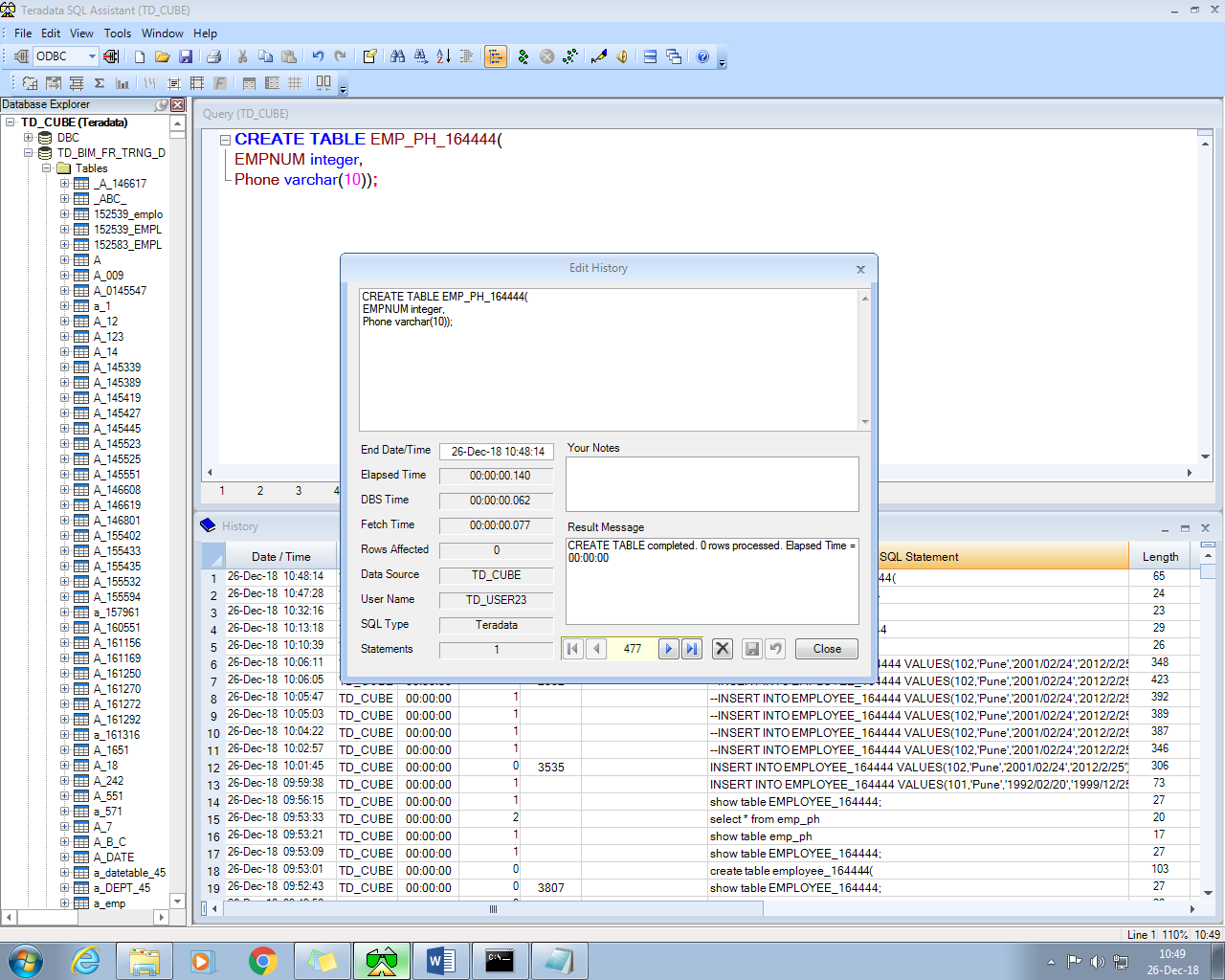
**Query-**

**CREATE** **TABLE** EMP\_PH\_164444(

EMPNUM integer,

Phone varchar(10))**;**

**Output-**



**Data Inserted**

**INSERT** **INTO** EMP\_PH\_164444 **VALUES**(101,'9545498226')**;**

**INSERT** **INTO** EMP\_PH\_164444 **VALUES**(102,'9578945602')**;**

**INSERT** **INTO** EMP\_PH\_164444 **VALUES**(103,'8890214562')**;**

**INSERT** **INTO** EMP\_PH\_164444 **VALUES**(104,'7845961135')**;**

**2.**

**COMMAND -** C:\teradata>MLOAD < Q\_MLOAD.txt

**OUTPUT**

**EMP\_PH\_UPSERT.txt Content**

102,8805456120

100,7894123520

106,7845142181

104,8975845212

107,9874584254

**Script\_file**

.LOGTABLE EMP\_PH\_LOGTABLE;

LOGON 10.58.0.66/td\_user23,td\_user23;

.BEGIN IMPORT MLOAD

TABLES EMP\_PH\_164444

WORKTABLES WT\_EMP\_PH\_164444\_1

ERRORTABLES ET\_EMP\_PH\_164444\_1 UV\_EMP\_PH\_164444\_1;

.LAYOUT LAYOUT\_FILE\_EMP\_PH;

.FIELD In\_EmpNo \* VARCHAR(10);

.FIELD In\_Phone \* VARCHAR(30);

.DML LABEL LAYOUT\_DML\_EMP\_PH;

DO INSERT FOR MISSING UPDATE ROWS;

UPDATE EMP\_PH\_164444 SET PHONE= :In\_Phone WHERE EMPNUM= :In\_EmpNo;

INSERT EMP\_PH\_164444 (EMPNUM,PHONE) VALUES (:In\_EmpNo,:In\_Phone);

.IMPORT INFILE EMP\_PH\_UPSERT.txt

LAYOUT LAYOUT\_FILE\_EMP\_PH

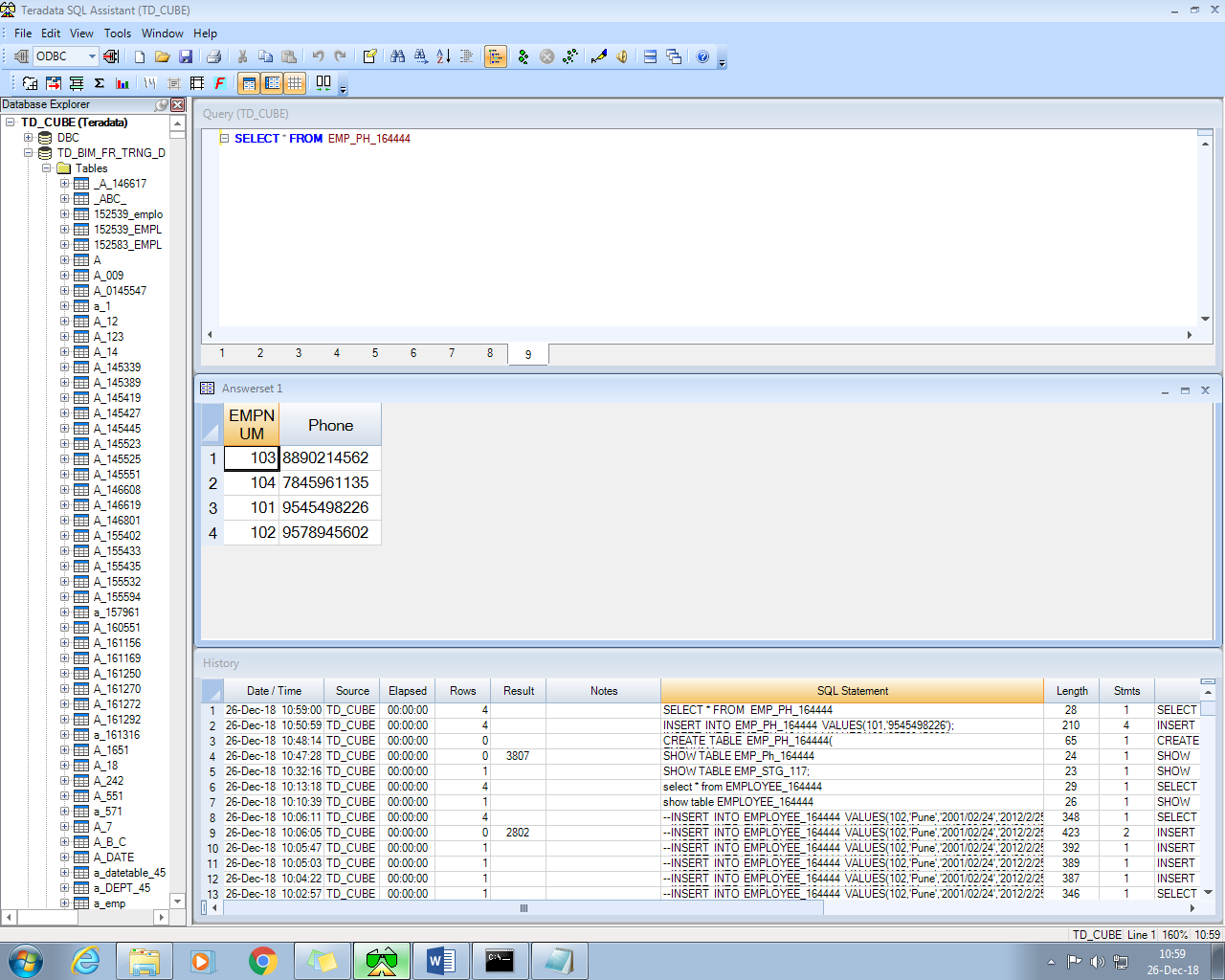
FORMAT VARTEXT ','

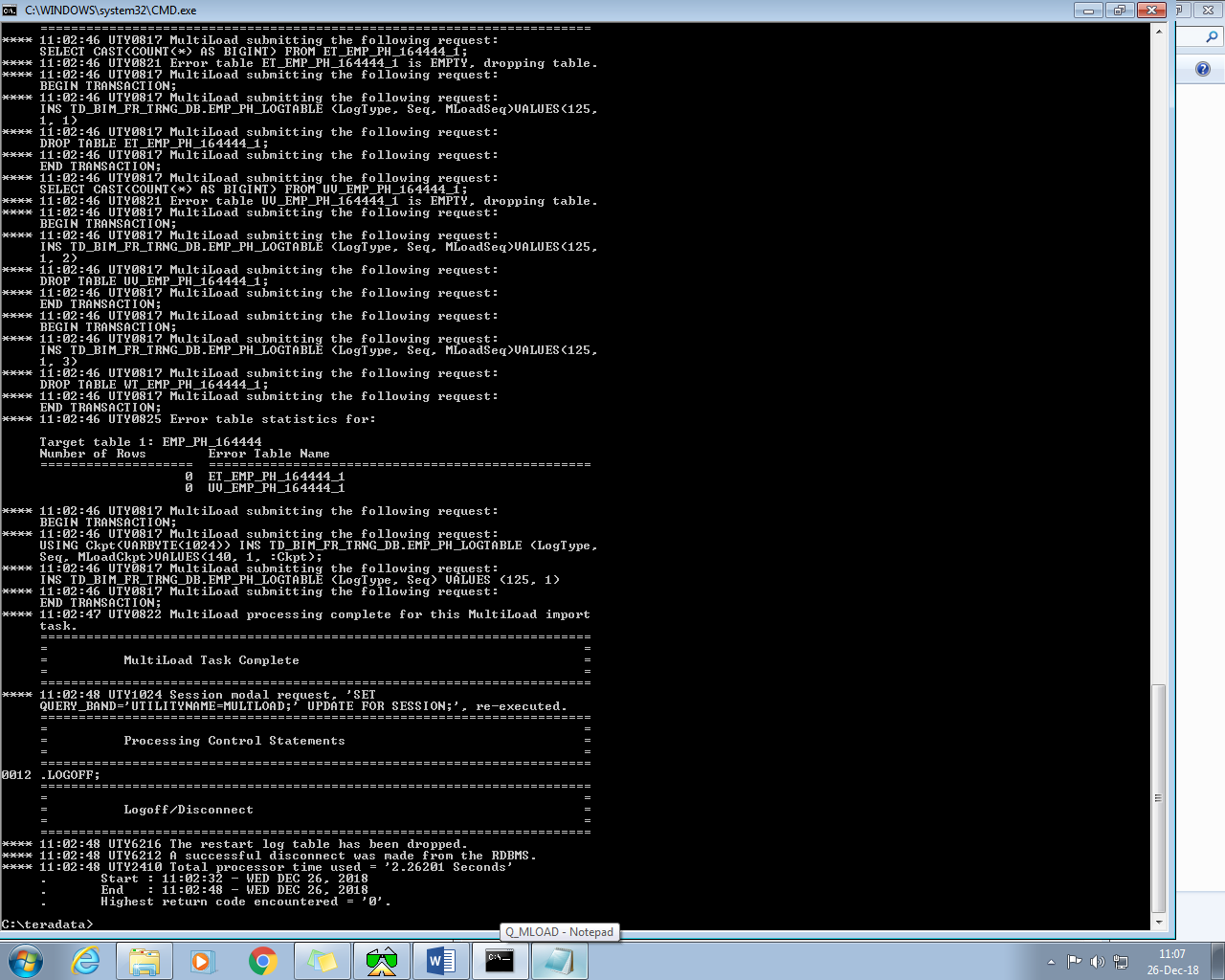
APPLY LAYOUT\_DML\_EMP\_PH;

.END MLOAD;

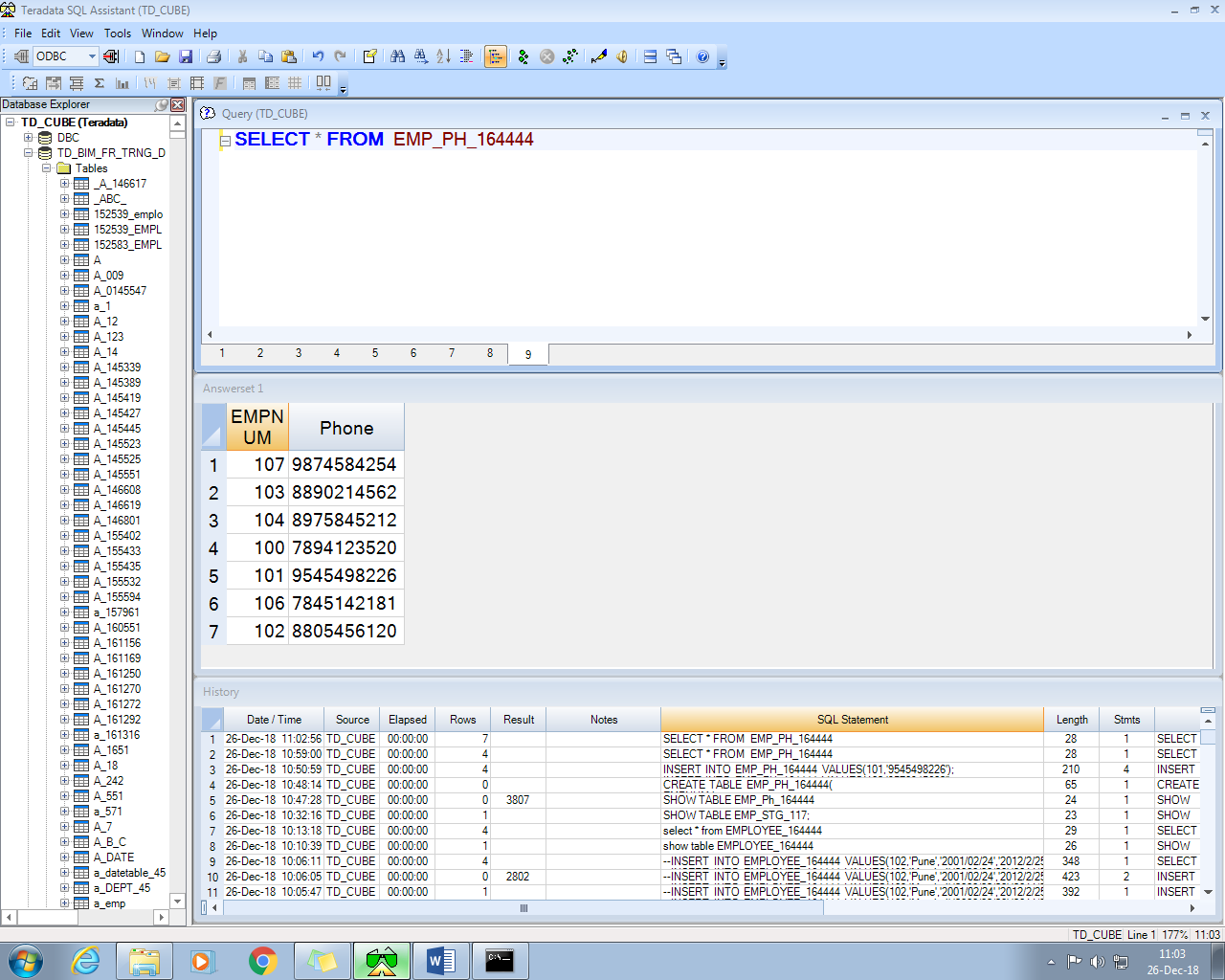
.LOGOFF;

**BEFORE UPSERT-**





**AFTER UPSERT-**



**3.**

**COMMAND -** C:\teradata>MLOAD < Q\_MLOAD.txt

**OUTPUT**

**EMP\_PH\_UPSERT.txt Content**

102,8806091995

112,9545498226

**SCRIPT FILE**

.LOGTABLE EMP\_PH\_LOGTABLE;

LOGON 10.58.0.66/td\_user23,td\_user23;

.BEGIN IMPORT MLOAD

TABLES EMP\_PH\_164444

WORKTABLES WT\_EMP\_PH\_164444\_4

ERRORTABLES ET\_EMP\_PH\_164444\_4 UV\_EMP\_PH\_164444\_4;

.LAYOUT LAYOUT\_FILE\_EMP\_PH;

.FIELD In\_EmpNo \* VARCHAR(10);

.FIELD In\_Phone \* VARCHAR(30);

.DML LABEL LAYOUT\_DML\_EMP\_PH;

UPDATE EMP\_PH\_164444 SET PHONE=:In\_Phone WHERE EMPNUM=:In\_EmpNo;

.IMPORT INFILE EMP\_PH\_UPSERT.txt

LAYOUT LAYOUT\_FILE\_EMP\_PH

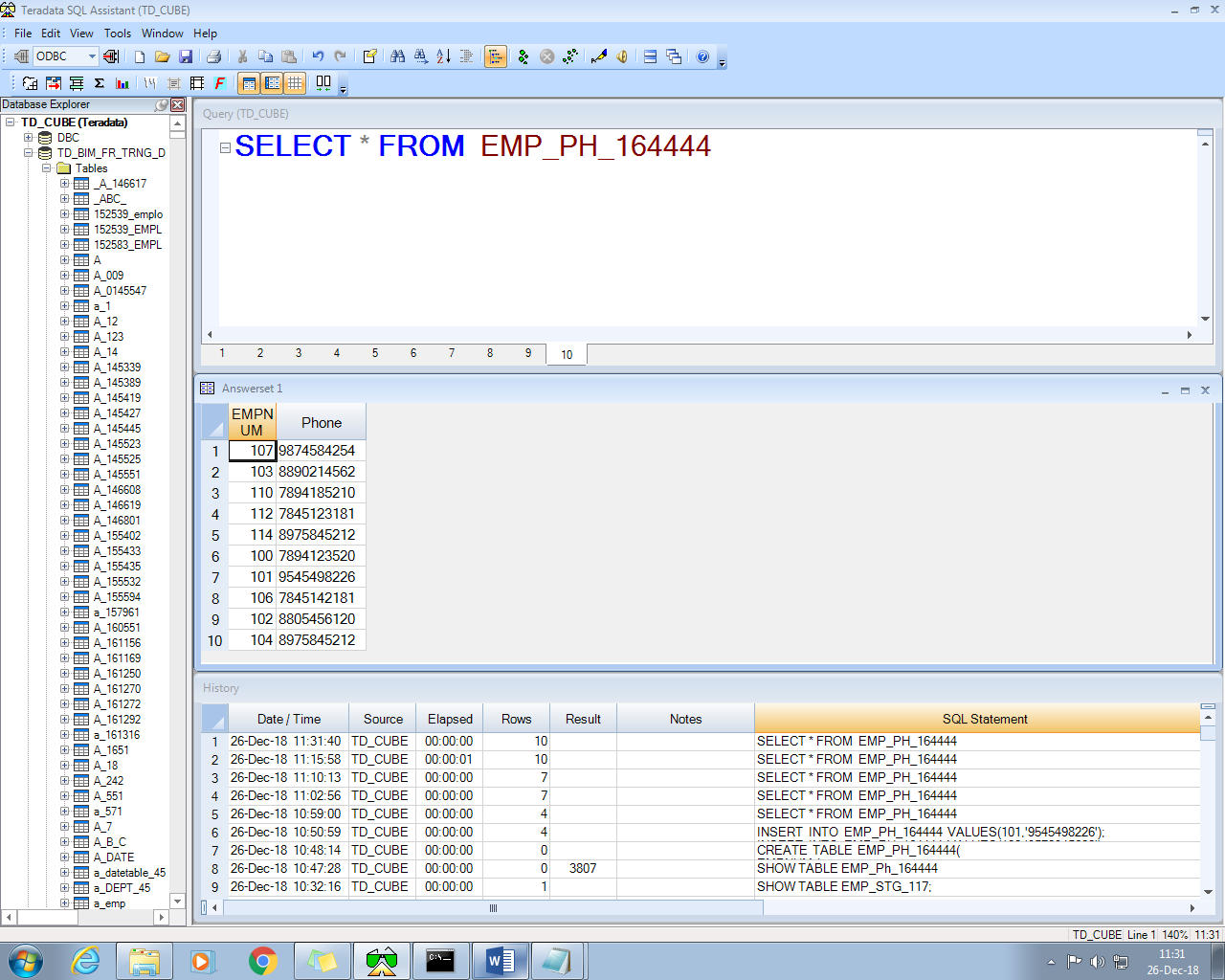
FORMAT VARTEXT ','

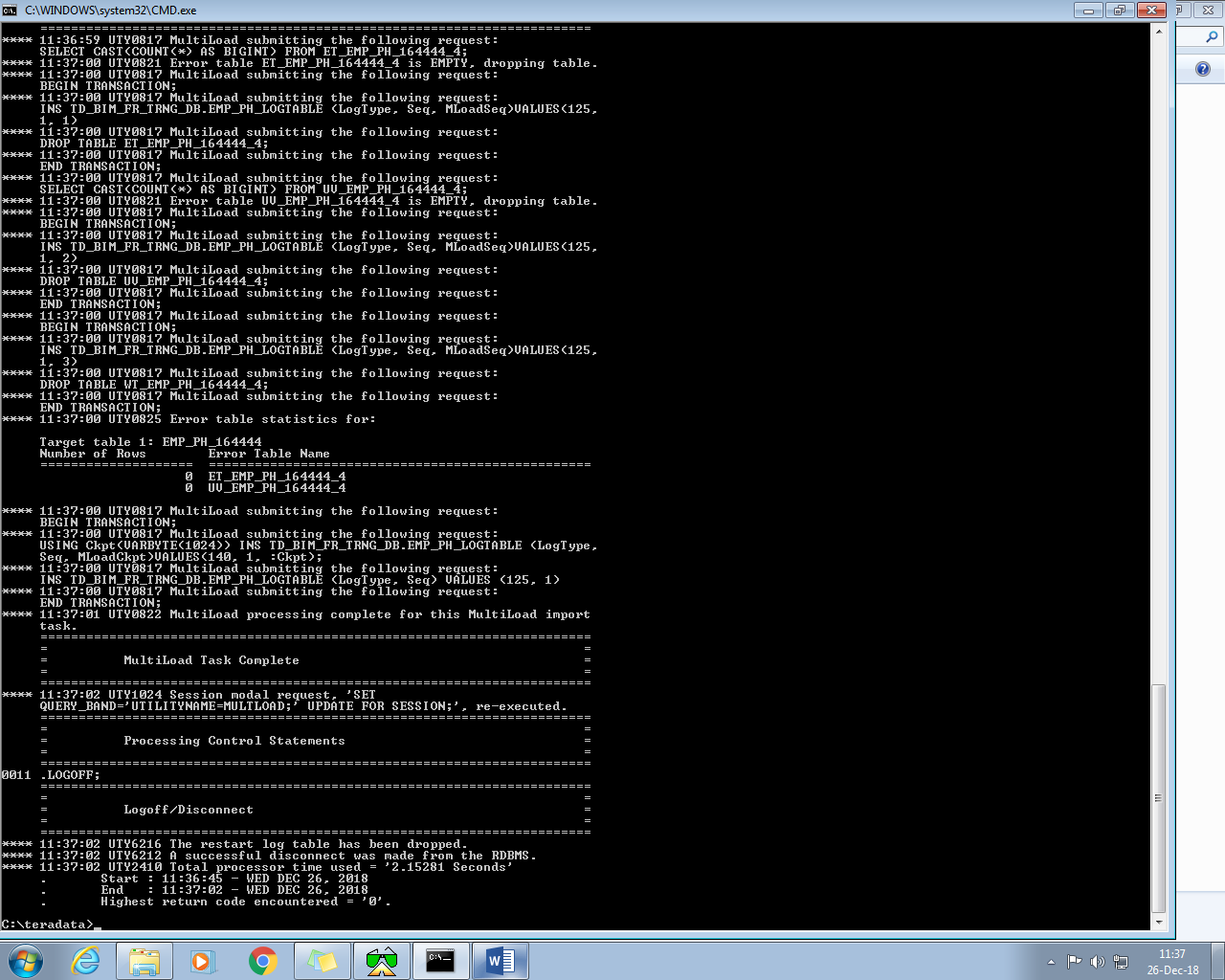
APPLY LAYOUT\_DML\_EMP\_PH;

.END MLOAD;

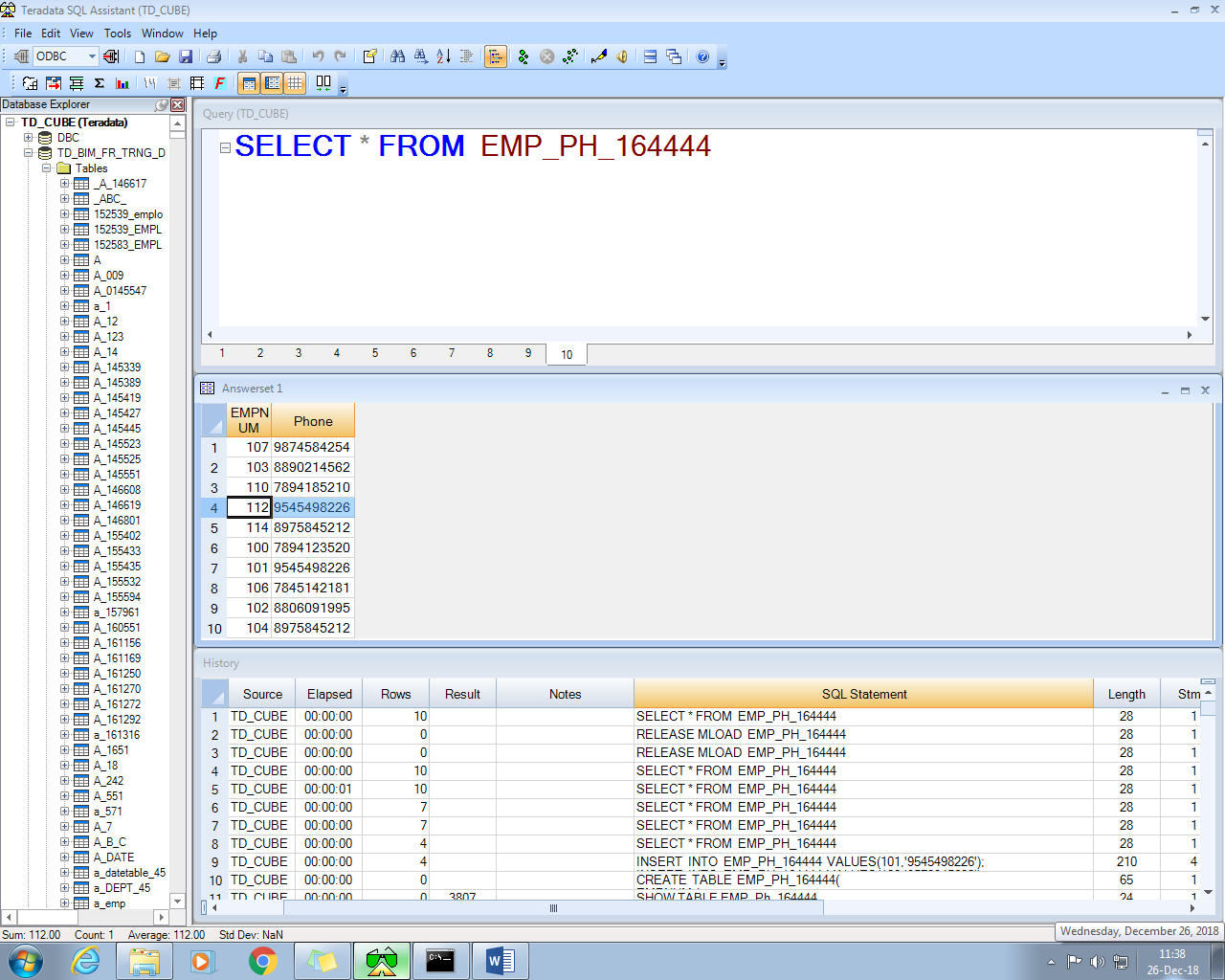
.LOGOFF;

**BEFORE UPDATE**





**After Update**



**4.**

**COMMAND -** C:\teradata>MLOAD < Q\_MLOAD.txt

**OUTPUT**

**EMP\_PH\_UPSERT.txt Content**

102,8805456120

110,7894185210

112,7845123181

114,8975845212

107,9874584254

**SCRIPT FILE**

.LOGTABLE EMP\_PH\_LOGTABLE;

LOGON 10.58.0.66/td\_user23,td\_user23;

.BEGIN IMPORT MLOAD

TABLES EMP\_PH\_164444

WORKTABLES WT\_EMP\_PH\_164444\_2

ERRORTABLES ET\_EMP\_PH\_164444\_2 UV\_EMP\_PH\_164444\_2;

.LAYOUT LAYOUT\_FILE\_EMP\_PH;

.FIELD In\_EmpNo \* VARCHAR(10);

.FIELD In\_Phone \* VARCHAR(30);

.DML LABEL LAYOUT\_DML\_EMP\_PH;

INSERT EMP\_PH\_164444(EMPNUM,PHONE) VALUES (:In\_EmpNo,:In\_Phone);

.IMPORT INFILE EMP\_PH\_UPSERT.txt

LAYOUT LAYOUT\_FILE\_EMP\_PH

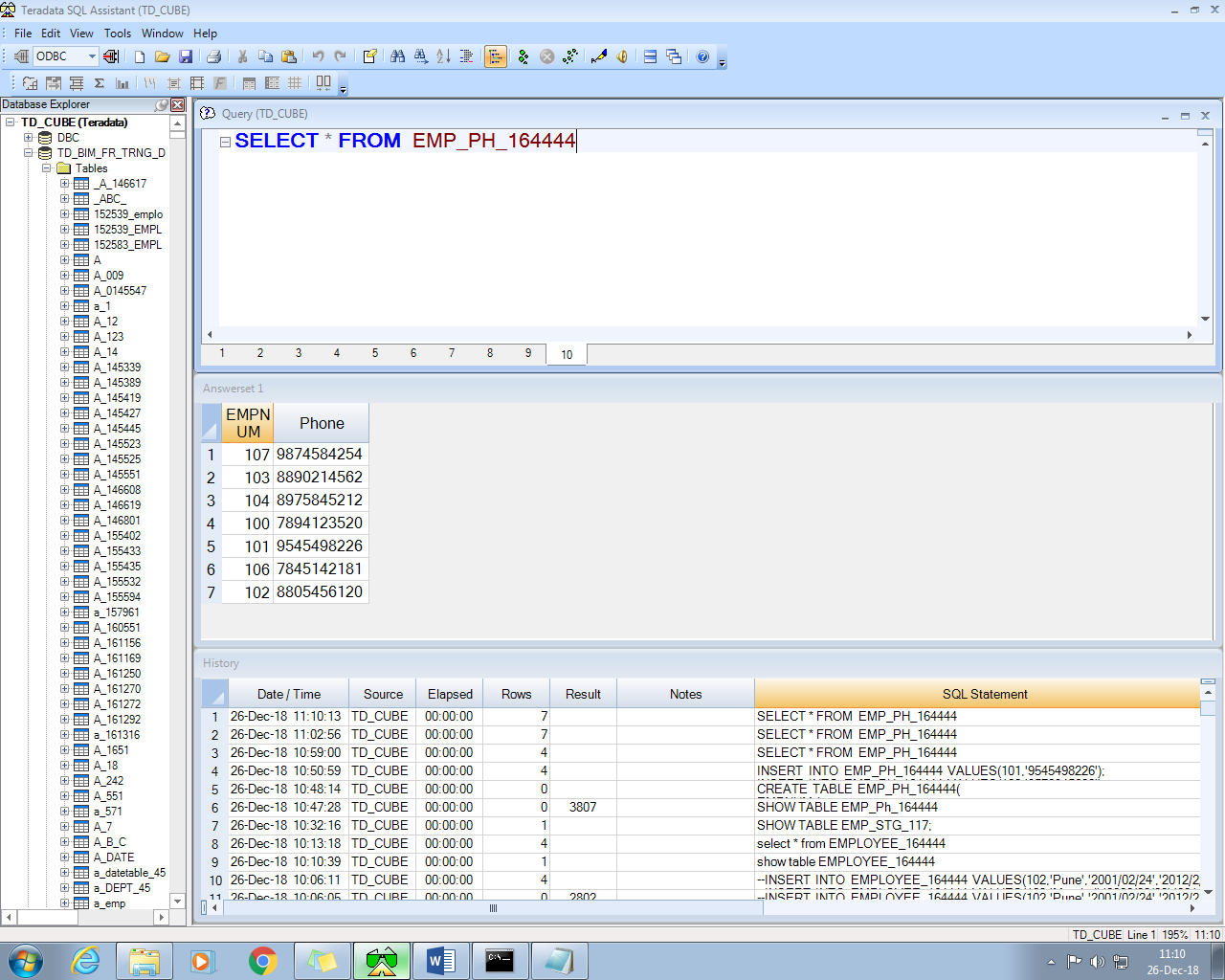
FORMAT VARTEXT ','

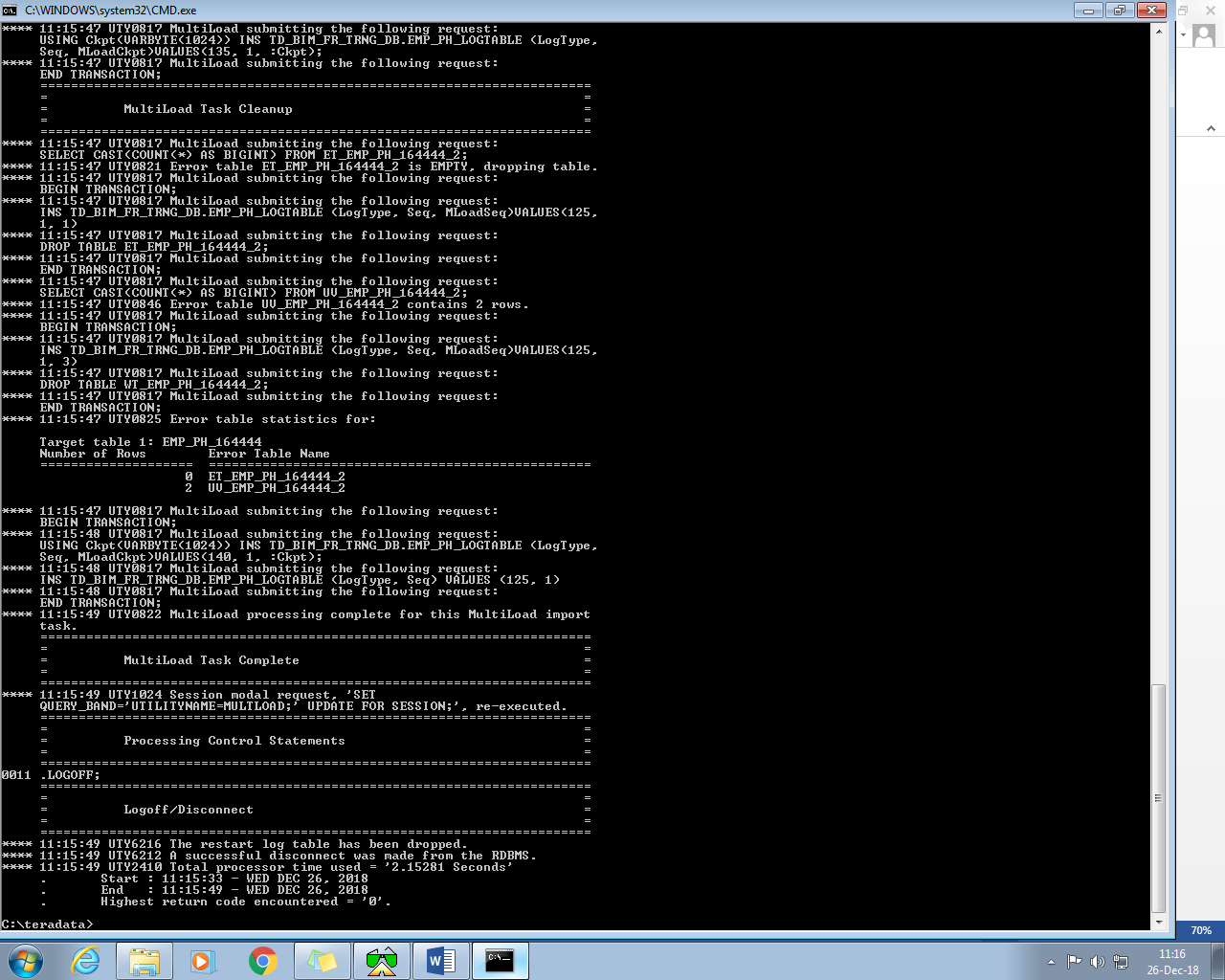
APPLY LAYOUT\_DML\_EMP\_PH;

.END MLOAD;

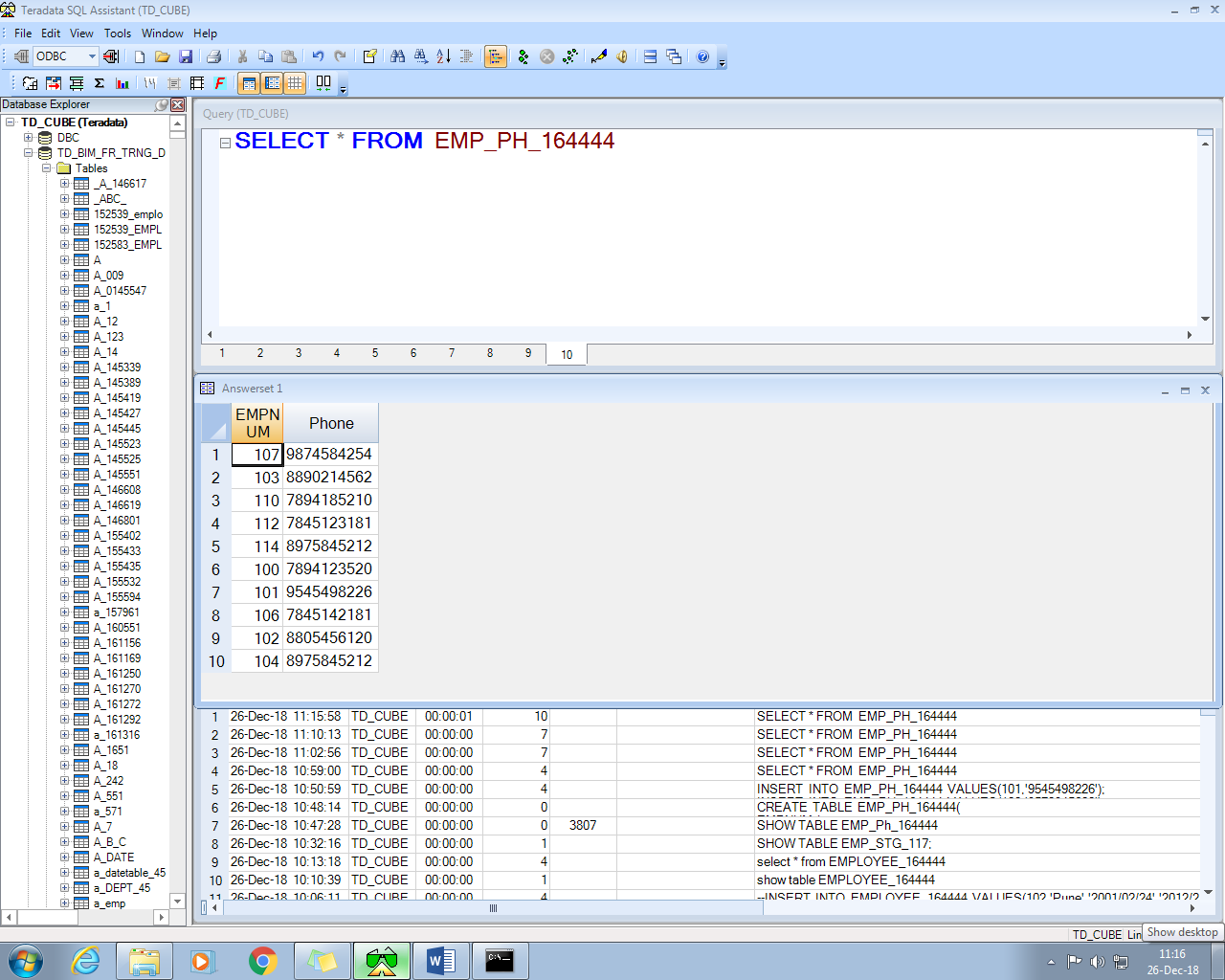
.LOGOFF;

**Before Insert**





**After Insert**



**Q5.**

**1.**

**CREATE** **TABLE** EMPLOYEE\_164444(

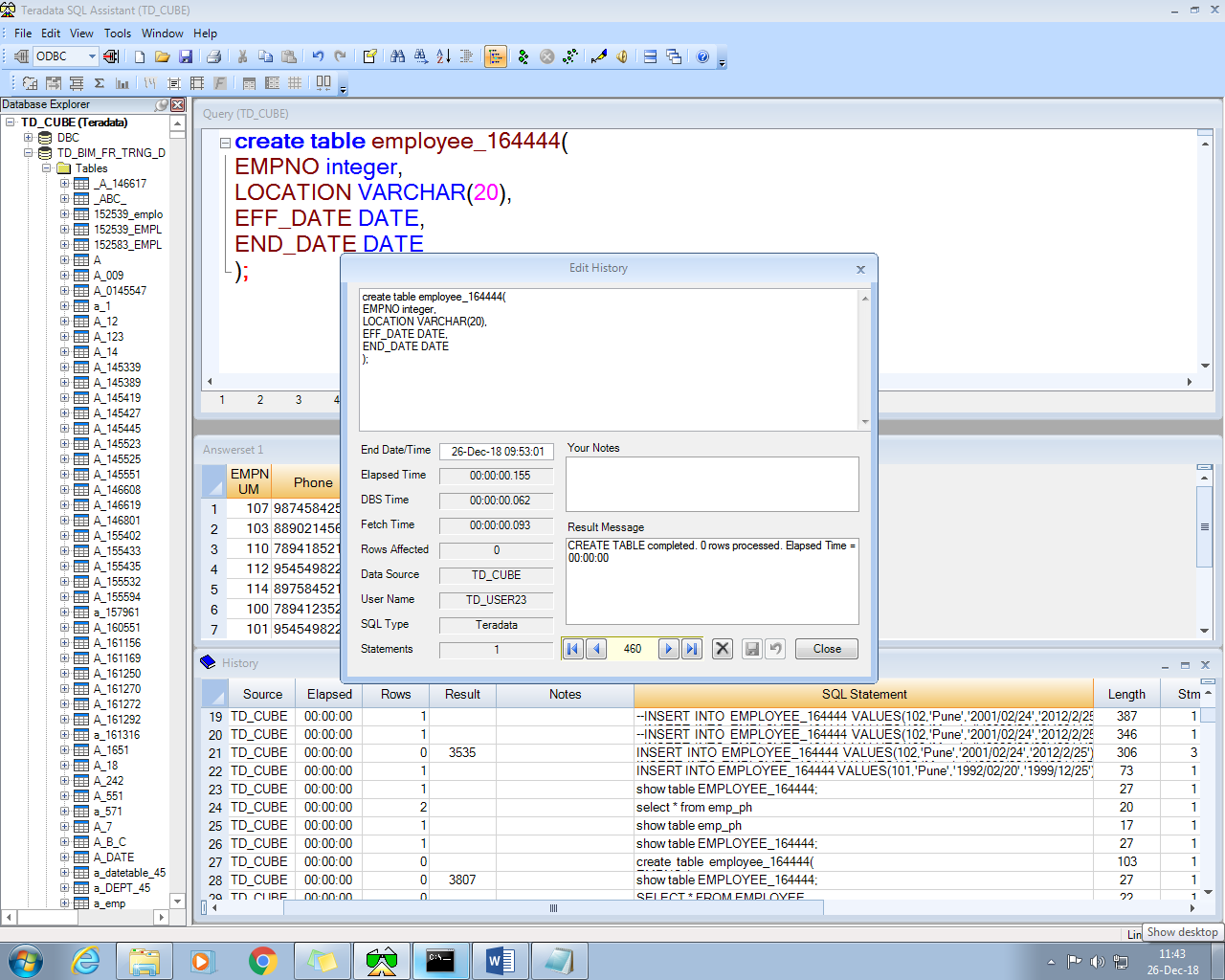
EMPNO integer,

LOCATION VARCHAR(20),

EFF\_DATE DATE,

END\_DATE DATE

)**;**



**2.**

**Data Inerted**

**INSERT** **INTO** EMPLOYEE\_164444 **VALUES**(101,'Pune','1992/02/20','1999/12/25')**;**

**INSERT** **INTO** EMPLOYEE\_164444 **VALUES**(102,'Pune','1996/01/28','1998/01/30')**;**

**INSERT** **INTO** EMPLOYEE\_164444 **VALUES**(103,'Mumbai','1998/05/08','2015/12/12')**;**

**INSERT** **INTO** EMPLOYEE\_164444 **VALUES**(104,'Bangalore','2010/12/10','2018/12/30')**;**

**3.**

**SCRIPT FILE**

.LOGTABLE EXPORT\_LOGTABLE\_164444;

.LOGON 10.58.0.66/td\_user23,td\_user23;

.BEGIN EXPORT SESSIONS 2;

.EXPORT OUTFILE C:\teradata\employee\_data.csv

MODE RECORD FORMAT TEXT;

SELECT distinct cast(

cast(

(cast( 'EMPNO' AS CHAR(10))|| ',' ||

cast ('LOCATION' AS CHAR(15)) || ',' ||

Cast('EFF\_DATE' AS CHAR(15))|| ',' ||

Cast('END\_DATE' AS CHAR(10)))

AS CHAR(150)) AS char(150))

FROM DBC.DBCINFO;

SELECT CAST(EMPNO AS VARCHAR(5))||','||CAST(LOCATION AS VARCHAR(15))||','||

CAST(EFF\_DATE AS VARCHAR(15))||','||CAST(END\_DATE AS VARCHAR(25)) FROM

EMPLOYEE\_164444;

.END EXPORT;

.LOGOFF;

**CMD: C:\teradata>FEXP < Export\_To\_CSV.txt**

**OUTPUT-**

