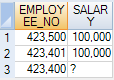
*TERADATA*

**LAB1**

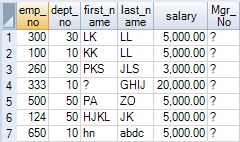
**SELECT** \* **FROM** Aggregation\_table**;**



**SELECT** AVG(Salary),Count(Salary),Count(\*) **FROM** Aggregation\_table**;**



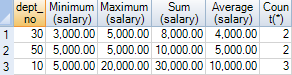
**SELECT** \* **FROM** Employee\_table**;**



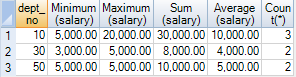
**SELECT** MIN(Salary),MAX(Salary),SUM(Salary),AVG(Salary),COUNT(\*) **FROM** Employee\_table**;**



**SELECT** Dept\_No,MIN(Salary),MAX(Salary),SUM(Salary),AVG(Salary),COUNT(\*) **FROM** Employee\_table **GROUP** **BY** Dept\_No**;**



**SELECT** Dept\_No,MIN(Salary),MAX(Salary),SUM(Salary),AVG(Salary),COUNT(\*) **FROM** Employee\_table **GROUP** **BY** Dept\_No **Order** **by** 1**;**



**SELECT** Dept\_No,MIN(Salary),MAX(Salary),SUM(Salary),AVG(Salary),COUNT(\*) **FROM** Employee\_table **WHERE** DEPT\_NO **IN**(30,40) **GROUP** **BY** DEPT\_NO **ORDER** **BY** 1**;**



**SELECT** Dept\_No,MIN(Salary),MAX(Salary),SUM(Salary),AVG(Salary),COUNT(\*) **FROM** Employee\_Table **WHERE** DEPT\_NO **IN**(30,10) **GROUP** **BY** DEPT\_NO **HAVING** Count(\*)>1**;**



**SELECT** 'PRODUCT\_ID' **AS** "COLUMN NAME",COUNT(\*) / COUNT(**DISTINCT**(PRODUCT\_ID)) **AS** "AVERAGE ROWS" **FROM** Sales\_Table**;**



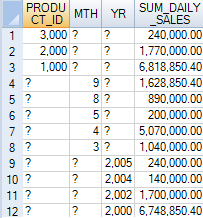
**SELECT** 'SALE\_DATE' **AS** "COLUMN NAME",COUNT(\*) / COUNT(**DISTINCT**(SALE\_DATE)) **AS** "AVERAGE ROWS" **FROM** Sales\_Table**;**



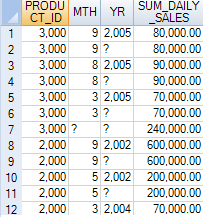
**SELECT** 'PRODUCT\_ID' **AS** "COLUMN NAME",COUNT(\*) / COUNT(**DISTINCT**(PRODUCT\_ID)) **AS** "AVERAGE ROWS",'SALE\_DATE' **AS** "COLUMN NAME2",COUNT(\*) / COUNT(**DISTINCT**(SALE\_DATE)) **AS** "AVERAGE ROWS2" **FROM** Sales\_Table**;**



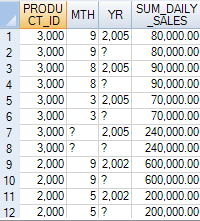
**SELECT** PRODUCT\_ID,EXTRACT(MONTH FROM SALE\_DATE) **AS** MTH,EXTRACT(YEAR FROM SALE\_DATE) **AS** YR,SUM(DAILY\_SALES) **AS** SUM\_DAILY\_SALES **FROM** Sales\_Table **GROUP** **BY** **GROUPING** **SETS** (PRODUCT\_ID,MTH,YR) **ORDER** **BY** PRODUCT\_ID **DESC**,MTH **DESC**,YR **DESC;**



**SELECT** PRODUCT\_ID,EXTRACT(MONTH FROM SALE\_DATE) **AS** MTH,EXTRACT(YEAR FROM SALE\_DATE) **AS** YR,SUM(DAILY\_SALES) **AS** SUM\_DAILY\_SALES **FROM** SALES\_TABLE **GROUP** **BY** **ROLLUP**(PRODUCT\_ID,MTH,YR) **ORDER** **BY** PRODUCT\_ID **DESC**,MTH **DESC**,YR **DESC;**



**SELECT** PRODUCT\_ID,EXTRACT(MONTH FROM SALE\_DATE) **AS** MTH,EXTRACT(YEAR FROM SALE\_DATE) **AS** YR,SUM(DAILY\_SALES) **AS** SUM\_DAILY\_SALES **FROM** SALES\_TABLE **GROUP** **BY** **CUBE**(PRODUCT\_ID,MTH,YR) **ORDER** **BY** PRODUCT\_ID **DESC**,MTH **DESC**,YR **DESC;**



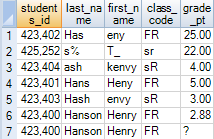
TEST QUESTION

**SELECT** DEPT\_NO,AVG(Salary),SUM(Salary) **FROM** EMPLOYEE\_TABLE **GROUP** **BY** DEPT\_NO **WHERE** DEPT\_NO **IN**(30,40,50) **HAVING** AVG(Salary)>=15000**;**

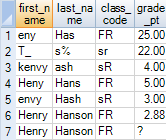


BASIC SQL FUNCTIONS

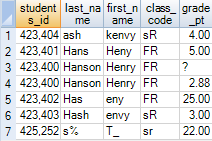
**SELECT** \* **FROM** STUDENT\_TABLE**;**



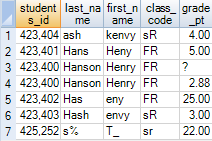
**SELECT** FIRST\_NAME,LAST\_NAME,CLASS\_CODE,GRADE\_PT **FROM** STUDENT\_TABLE**;**



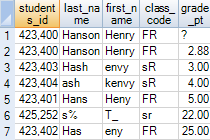
**SELECT** \* **FROM** STUDENT\_TABLE **ORDER** **BY** LAST\_NAME**;**



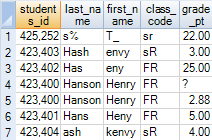
**SELECT** \* **FROM** STUDENT\_TABLE **ORDER** **BY** 3**;**



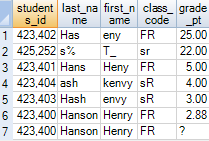
**SELECT** \* **FROM** STUDENT\_TABLE **ORDER** **BY** 5**;**



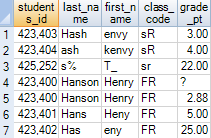
**SELECT** \* **FROM** STUDENT\_TABLE **ORDER** **BY** LAST\_NAME **DESC;**



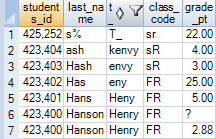
**SELECT** \* **FROM** STUDENT\_TABLE **ORDER** **BY** 5 **DESC;**



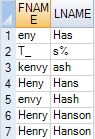
**SELECT** \* **FROM** STUDENT\_TABLE **ORDER** **BY** CLASS\_CODE **DESC**,GRADE\_PT **ASC;**



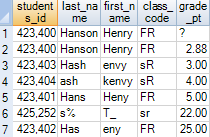
**SELECT** \* **FROM** STUDENT\_TABLE **ORDER** **BY** **CASE** CLASS\_CODE **WHEN** 'sr' **THEN** 1 **WHEN** 'FR' **THEN** 2 **ELSE** 3 **END;**



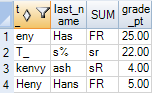
**SELECT** FIRST\_NAME "FNAME",LAST\_NAME "LNAME" **FROM** STUDENT\_TABLE**;**



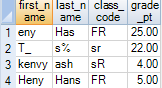
**SELECT** \* **FROM** STUDENT\_TABLE **ORDER** **BY** GRADE\_PT**;**



**SELECT** FIRST\_NAME,LAST\_NAME,CLASS\_CODE **AS** "SUM",GRADE\_PT **FROM** STUDENT\_TABLE **WHERE** GRADE\_PT>3.00**;**

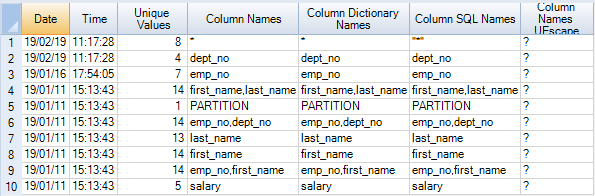


**SELECT** FIRST\_NAME,LAST\_NAME,CLASS\_CODE,GRADE\_PT **FROM** STUDENT\_TABLE **WHERE** GRADE\_PT>3.00**;**

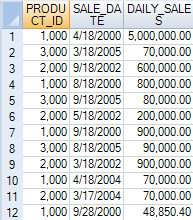


COLLECT STATISTICS

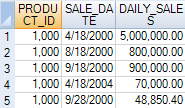
**HELP** **STATISTICS** EMPLOYEE\_TABLE**;**



**SELECT**\***FROM** SALES\_TABLE**;**



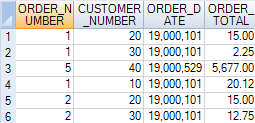
**SELECT** \* **FROM** Sales\_Table **WHERE** PRODUCT\_ID=1000**;**



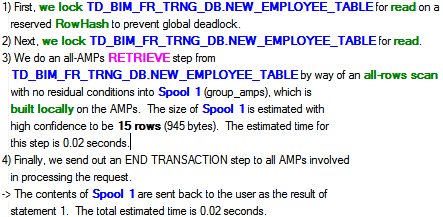
**SELECT** \* **FROM** SALES\_TABLE **WHERE** PRODUCT\_ID=1000 **AND** DAILY\_SALES=5000000**;**



**SELECT** \* **FROM** ORDER\_TABLE**;**

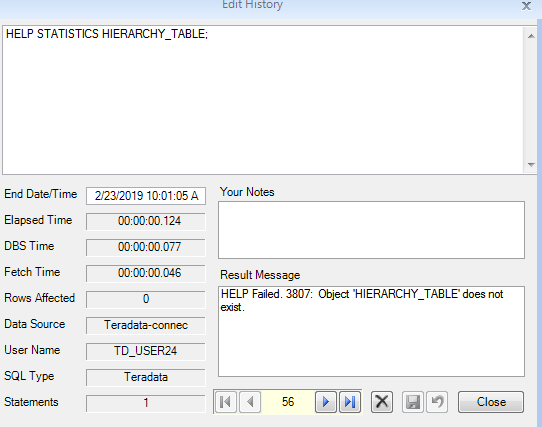


**EXPLAIN** **SELECT** \* **FROM** new\_employee\_table**;**

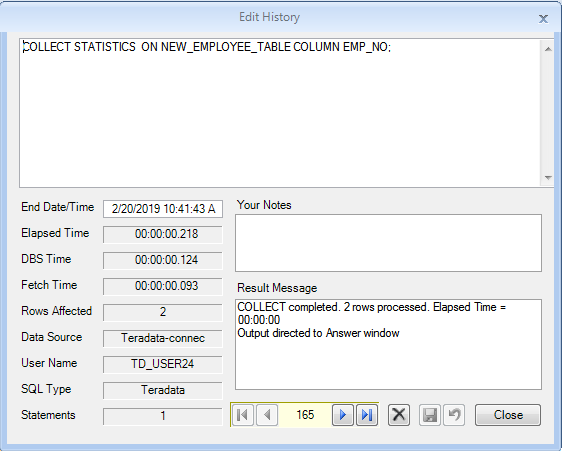


**HELP** **STATISTICS** HIERARCHY\_TABLE**;**

OUTPUT WILL NOT COME FOR THIS STATISTICS BECAUSE THE TABLE DOES NOT EXIST



**COLLECT** **STATISTICS** **ON** NEW\_EMPLOYEE\_TABLE **COLUMN** EMP\_NO**;**



**SHOW** **STATISTICS** **ON** NEW\_EMPLOYEE\_TABLE**;**

**COLLECT** STATISTICS

**USING** SYSTEM **SAMPLE**

**COLUMN** ( dept\_no ) ,

**COLUMN** ( first\_name,last\_name )

**ON** TD\_BIM\_FR\_TRNG\_DB.NEW\_EMPLOYEE\_TABLE **;**

**COLLECT** STATISTICS

**USING** SYSTEM **SAMPLE**

**AND** MAXVALUELENGTH 50

**COLUMN** ( emp\_no )

**ON** TD\_BIM\_FR\_TRNG\_DB.NEW\_EMPLOYEE\_TABLE **;**

**COLLECT** STATISTICS

*-- default SYSTEM SAMPLE PERCENT*

**COLUMN** ( **PARTITION** ) ,

**COLUMN** ( emp\_no,dept\_no ) ,

**COLUMN** ( first\_name ) ,

**COLUMN** ( emp\_no,first\_name )

**ON** TD\_BIM\_FR\_TRNG\_DB.NEW\_EMPLOYEE\_TABLE **;**

**COLLECT** STATISTICS

**USING** **SAMPLE** 20.00 **PERCENT**

**AND** MAXINTERVALS 500

**AND** MAXVALUELENGTH 500

**COLUMN** ( last\_name )

**ON** TD\_BIM\_FR\_TRNG\_DB.NEW\_EMPLOYEE\_TABLE **;**

**COLLECT** **STATISTICS** **ON** EMPLOYEE\_TABLE **COLUMN** EMP\_NO**;**

**SHOW** **STATISTICS** **ON** EMPLOYEE\_TABLE**;**

(OR)

**COLLECT** **STATISTICS** **ON** EMPLOYEE\_TABLE **COLUMN** DEPT\_NO**;**

**SHOW** **STATISTICS** **ON** EMPLOYEE\_TABLE**;**

(OR)

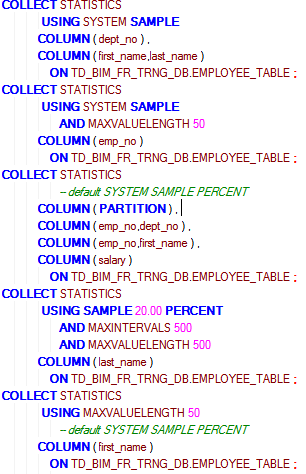
**COLLECT** **STATISTICS** **ON** EMPLOYEE\_TABLE **INDEX**(FIRST\_NAME,LAST\_NAME)**;**

**SHOW** **STATISTICS** **ON** EMPLOYEE\_TABLE**;**

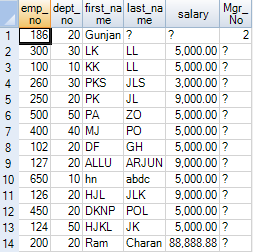
(OR)

**COLLECT** **STATISTICS** **ON** EMPLOYEE\_TABLE **COLUMN**(EMP\_NO,DEPT\_NO)**;**

**SHOW** **STATISTICS** **ON** EMPLOYEE\_TABLE**;**



**SELECT**\***FROM** EMPLOYEE\_TABLE\_NEW

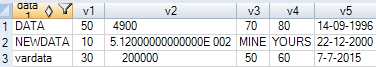


DATA MANIPULATION LANGUAGE

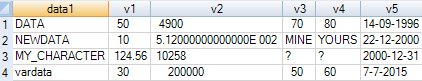
**SELECT** \* **FROM** MY\_TABLE**;**



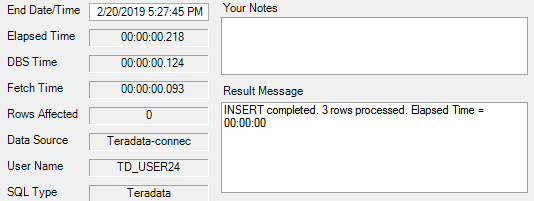
**SELECT** \* **FROM** MY\_ORIGINAL\_TABLE**;**

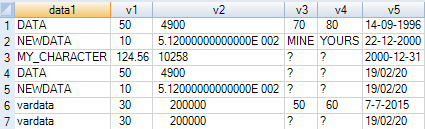


**INSERT** **INTO** MY\_TABLE **SELECT** \* **FROM** MY\_ORIGINAL\_TABLE**;**



**INSERT** **INTO** MY\_TABLE (v1,data1,v2,v5) **SELECT** V1,DATA1,V2,CURRENT\_DATE **FROM** MY\_ORIGINAL\_TABLE**;**





DATE FUNCTIONS

**SELECT**

DATE **AS** "DATE"

,Current\_date

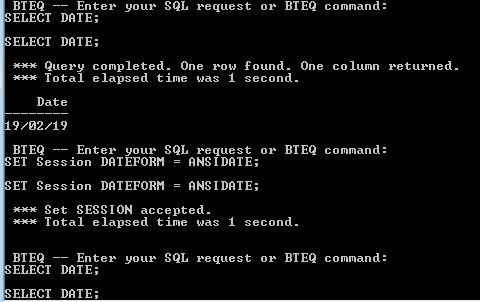
,TIME

,Current\_time

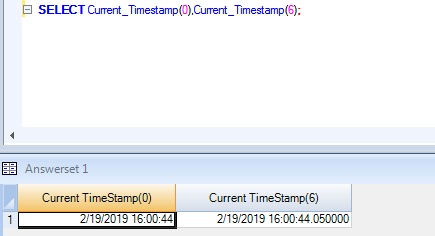
,Current\_timestamp(6)**;**



IN BTEQ



Timestamp differences



Date addition or subtractions

**SELECT** ('2019-02-23'(DATE))-('1997-06-26'(date)) AGE**;**



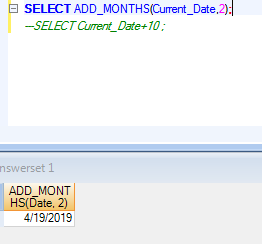
**SELECT** ('2019-02-23'(DATE))-('1997-06-26'(date))/365 AGE**;**



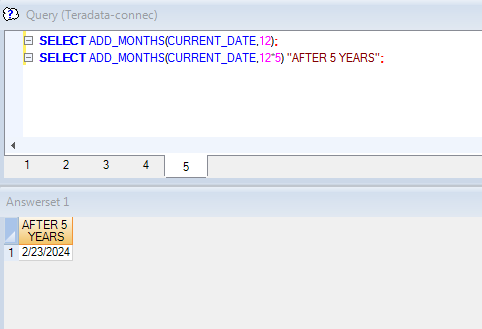
**SELECT** MONTHS\_BETWEEN(('2019-02-23'(DATE)),('1997-06-26'(date)))/12 AGE**;**



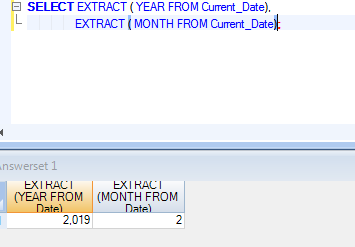
ADD\_MONTHS



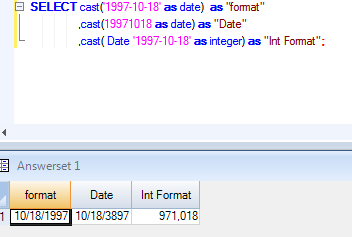
ADD\_MONTHS to add years



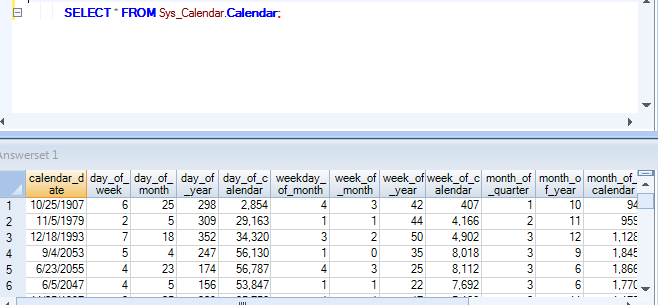
EXTRACT



CASTING OF DATE AND INTEGERS



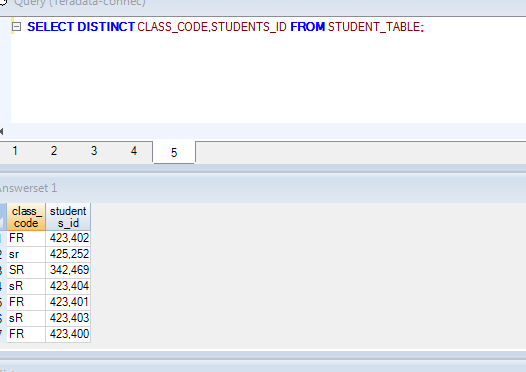
Sys\_Calendar

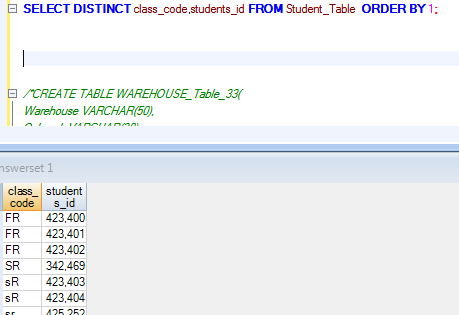


**LAB2**

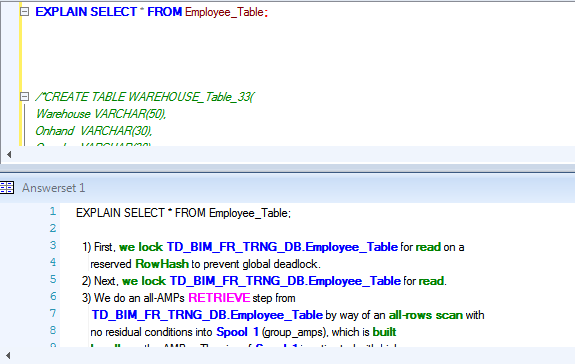
DISTINCT

DISTINCT Vs GROUP BY

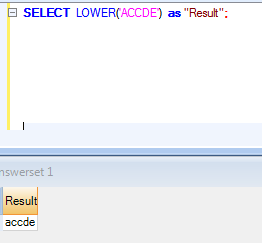




Explain

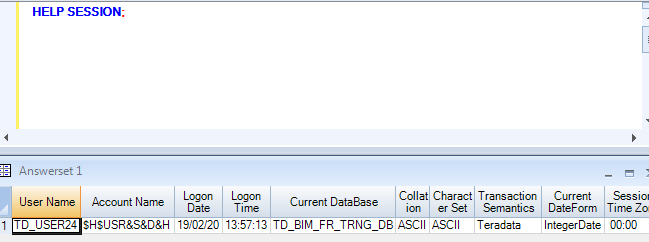


Lower command(TO LOWERCASE)

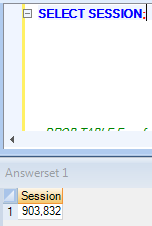


HELP AND SHOW

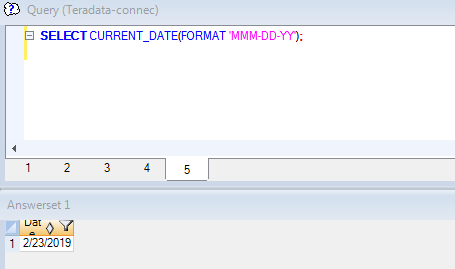
HELP

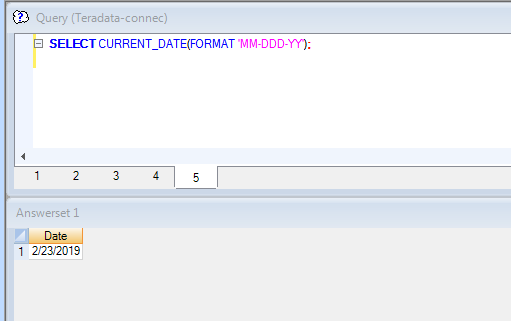


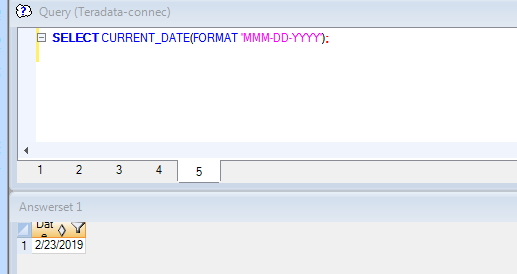
Session

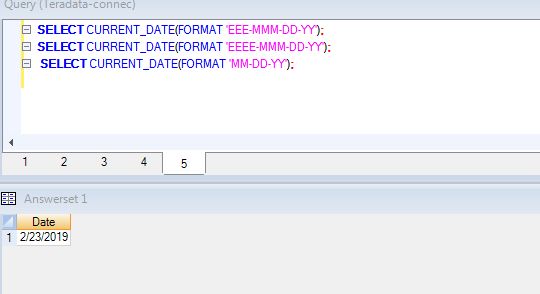


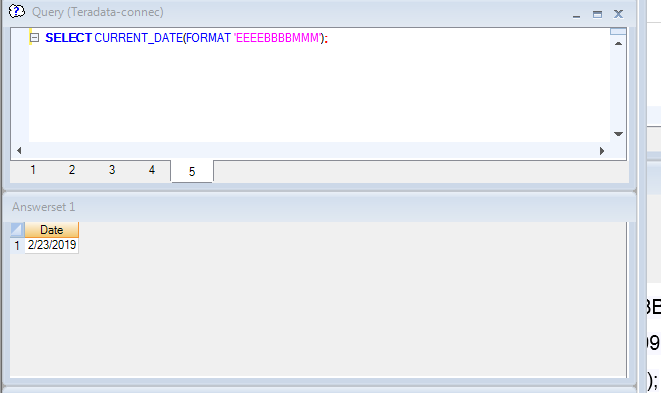
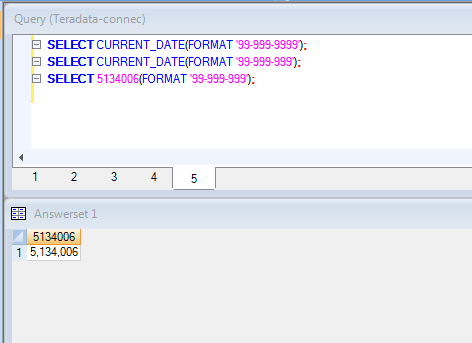
FORMAT FUNCTIONS

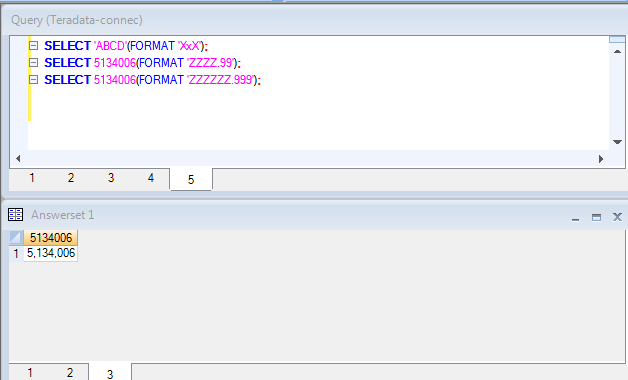
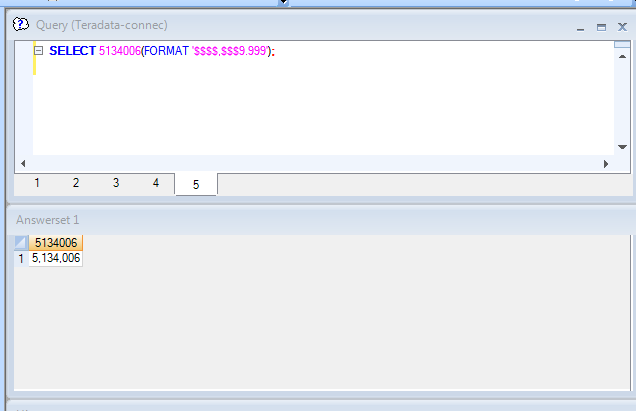
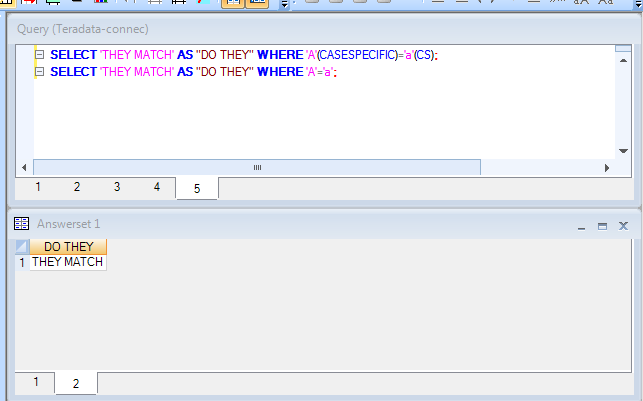








**LAB3**

MATH FUNCTIONS

**SELECT** (2+4)\*5



**SELECT** 2+4/5

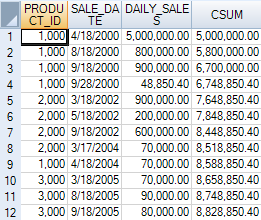


**SELECT** 2+4.0/5



OLAP FUNCTIONS

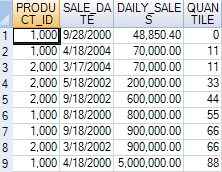
**SELECT** PRODUCT\_ID,SALE\_DATE,DAILY\_SALES,CSUM(DAILY\_SALES,SALE\_DATE) **AS** "CSUM" **FROM** SALES\_TABLE**;**



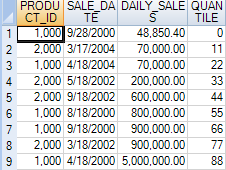
**LAB4**

QUANTILE FUNCTIONS

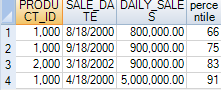
**SELECT** PRODUCT\_ID,SALE\_DATE,DAILY\_SALES,QUANTILE (100,DAILY\_SALES) **AS** "QUANTILE" **FROM** SALES\_TABLE **WHERE** PRODUCT\_ID<3000 **AND** SALE\_DATE>1000030**;**



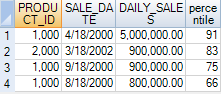
**SELECT** PRODUCT\_ID,SALE\_DATE,DAILY\_SALES,QUANTILE (100,DAILY\_SALES,SALE\_DATE **DESC** ) **AS** "QUANTILE" **FROM** SALES\_TABLE **WHERE** PRODUCT\_ID<3000 **AND** SALE\_DATE>1000030**;**



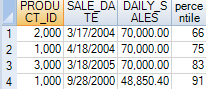
**SELECT** PRODUCT\_ID,SALE\_DATE,DAILY\_SALES,QUANTILE (100,DAILY\_SALES,SALE\_DATE) **AS** "percentile" **FROM** SALES\_TABLE **QUALIFY** "percentile">=60**;**



**SELECT** PRODUCT\_ID,SALE\_DATE,DAILY\_SALES,QUANTILE (100,DAILY\_SALES,SALE\_DATE) **AS** "percentile" **FROM** SALES\_TABLE **QUALIFY** "percentile">=60 **ORDER** **BY** "percentile" **DESC;**

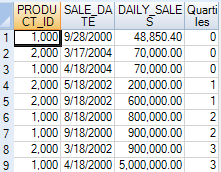


**SELECT** PRODUCT\_ID,SALE\_DATE,DAILY\_SALES,QUANTILE (100,DAILY\_SALES **ASC**,SALE\_DATE) **AS** "percentile" **FROM** SALES\_TABLE **QUALIFY** "percentile">=60**;**

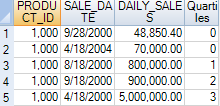


USING TERTILES

**SELECT** PRODUCT\_ID,SALE\_DATE,DAILY\_SALES,QUANTILE (4,DAILY\_SALES ,SALE\_DATE) **AS** "Quartiles" **FROM** SALES\_TABLE **WHERE** PRODUCT\_ID **IN** (1000,2000)**;**



**SELECT** PRODUCT\_ID,SALE\_DATE,DAILY\_SALES,QUANTILE (4,DAILY\_SALES ,SALE\_DATE) **AS** "Quartiles" **FROM** SALES\_TABLE **WHERE** PRODUCT\_ID=1000**;**

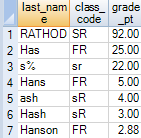


TOP SQL COMMAND CHEAT SHEET

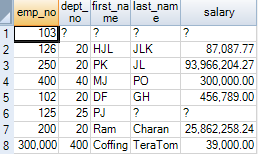
**SELECT** **DATABASE**,**USER**,**SESSION**,**ACCOUNT**,**PROFILE**,**ROLE**



**SELECT** **TOP** 7 LAST\_NAME,CLASS\_CODE,GRADE\_PT **FROM** STUDENT\_TABLE **ORDER** **BY** GRADE\_PT **DESC;**



**SELECT** \* **FROM** NEW\_EMPLOYEE\_TABLE **SAMPLE** 8



**SELECT** C.CUSTOMER\_NUMBER,C.CUSTOMER\_NAME,O.ORDER\_NUMBER,O.ORDER\_TOTAL **FROM** CUSTOMER\_TABLE **AS** C,ORDER\_TABLE **AS** O **WHERE** C.CUSTOMER\_NUMBER=O.CUSTOMER\_NUMBER**;**



**SELECT** C.CUSTOMER\_NUMBER,C.CUSTOMER\_NAME,O.ORDER\_NUMBER,O.ORDER\_TOTAL **FROM** CUSTOMER\_TABLE **AS** C **INNER** **JOIN** ORDER\_TABLE **AS** O **ON** C.CUSTOMER\_NUMBER=O.CUSTOMER\_NUMBER**;**



USING SYSTEM CALENDAR

**SELECT** CALENDAR\_DATE,

DAY\_OF\_WEEK,

DAY\_OF\_MONTH,

DAY\_OF\_YEAR,

DAY\_OF\_CALENDAR,

WEEKDAY\_OF\_MONTH,

WEEK\_OF\_MONTH,

WEEK\_OF\_YEAR,

WEEK\_OF\_CALENDAR,

MONTH\_OF\_QUARTER,

MONTH\_OF\_YEAR,

MONTH\_OF\_CALENDAR,

QUARTER\_OF\_YEAR,

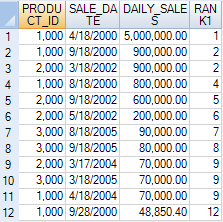
QUARTER\_OF\_CALENDAR,

YEAR\_OF\_CALENDAR

**FROM** SYS\_CALENDAR.**CALENDAR** **WHERE** CALENDAR\_DATE='1959-01-01';



**SELECT** PRODUCT\_ID,SALE\_DATE,DAILY\_SALES,RANK() OVER(**ORDER** **BY** DAILY\_SALES **DESC**) **AS** RANK1 **FROM** SALES\_TABLE**;**



**SELECT** COURSE\_NAME,CREDITS

,**CASE** CREDITS

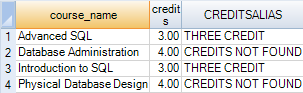
**WHEN** 1 **THEN** 'ONE CREDIT'

**WHEN** 2 **THEN** 'TWO CREDIT'

**WHEN** 3 **THEN** 'THREE CREDIT'

**ELSE** 'CREDITS NOT FOUND'

**END** **AS** CREDITSALIAS **FROM** COURSE\_TABLE **ORDER** **BY** 1**;**



**SELECT** COURSE\_NAME

,**CASE**

**WHEN** CREDITS <=1 **THEN** 'ONE'

**WHEN** CREDITS =2 **THEN** 'TWO'

**WHEN** CREDITS <4 **THEN** 'THREE'

**when** course\_name like 'TERA%' **THEN** '4'

**ELSE** 'DONT KNOW'

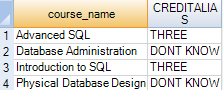
**END** **AS** CREDITALIAS

**FROM** COURSE\_TABLE

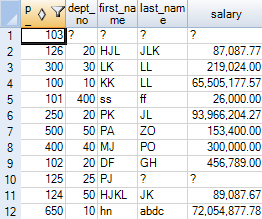
**ORDER** **BY** 1**;**

**ELSE** 'CREDITS NOT FOUND'

**END** **AS** CREDITSALIAS **FROM** COURSE\_TABLE **ORDER** **BY** 1**;**



**LOCKING** **ROW** **FOR** **ACCESS** **SELECT** \* **FROM** NEW\_EMPLOYEE\_TABLE**;**



**LOCKING** **ROW** **FOR** **ACCESS**

**SELECT**

SUM(MAXPERM) **AS** "PERM"

,SUM(MAXSPOOL) **AS** "SPOOL"

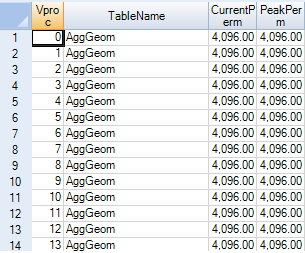
,SUM(MAXTEMP) **AS** "TEMP"

**FROM** DBC.DISKSPACE **WHERE** DATABASENAME=**USER**

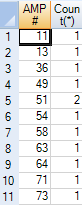
**;**



**SELECT** VPROC,CAST(TABLENAME **AS** CHAR(20)),CURRENTPERM,PEAKPERM **FROM** DBC.TABLESIZEV **WHERE** DATABASENAME='TD\_SYSFNLIB' **ORDER** **BY** TABLENAME,VPROC**;**

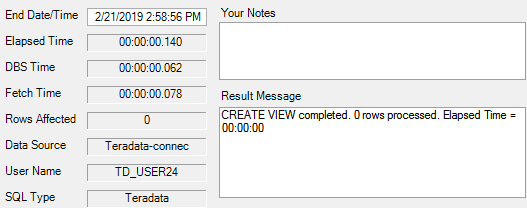


**LOCKING** **ROW** **FOR** **ACCESS** **SELECT** HASHAMP (HASHBUCKET(HASHROW(EMP\_NO))) **AS** "AMP#",COUNT(\*) **FROM** NEW\_EMPLOYEE\_TABLE **GROUP** **BY** 1 **ORDER** **BY** 1**;**



VIEW COMMANDS

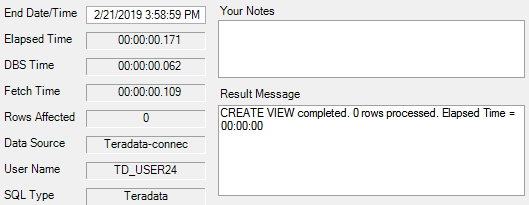
**CREATE** **VIEW** DEPARTMENT\_SALARIES **AS** **SELECT** DEPT\_NO,SUM(SALARY) **AS** SUMSAL,SUM(SALARY)/12 **AS** MONTHSAL **FROM** EMPLOYEE\_TABLE **GROUP** **BY** 1**;**



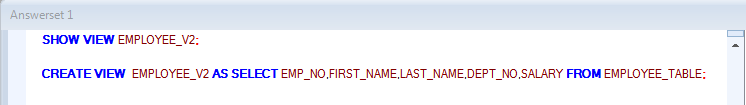
**SELECT** \* **FROM** DEPARTMENT\_SALARIES**;**



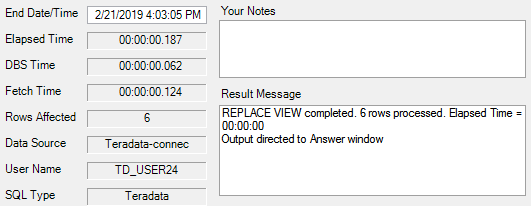
**CREATE** **VIEW** EMPLOYEE\_V2 **AS** **SELECT** EMP\_NO,FIRST\_NAME,LAST\_NAME,DEPT\_NO,SALARY **FROM** EMPLOYEE\_TABLE**;**



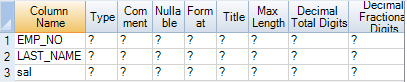
**SHOW** **VIEW** EMPLOYEE\_V2



**REPLACE** **VIEW** EMPLOYEE\_V2 **AS** **SELECT** EMP\_NO,FIRST\_NAME,LAST\_NAME,DEPT\_NO **FROM** EMPLOYEE\_TABLE**;**



**HELP** **VIEW** EMP\_VIEW**;**



**SELECT**\***FROM** CUSTOMER\_ORDER\_V **ORDER** **BY** 1**;**



**CREATE** **VIEW** AGGREG\_ORDER\_V **AS**

**SELECT** CUSTOMER\_NUMBER

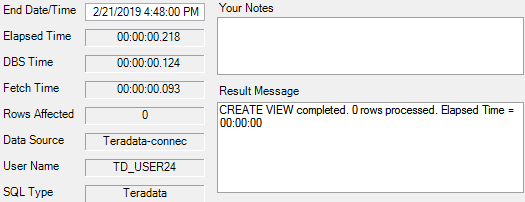
,ORDER\_DATE/100+100000 (FORMAT '9999-99') **AS** YR\_MTH\_ORDERS

,COUNT(ORDER\_TOTAL) **AS** ORDER\_CNT

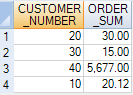
,SUM(ORDER\_TOTAL) **AS** ORDER\_SUM

,AVG(ORDER\_TOTAL) **AS** ORDER\_AVG

**FROM** ORDER\_TABLE **GROUP** **BY** CUSTOMER\_NUMBER,YR\_MTH\_ORDERS**;**



**SELECT** CUSTOMER\_NUMBER,ORDER\_SUM **FROM** AGGREG\_ORDER\_V**;**



**SELECT** SUM(ORDER\_SUM) **FROM** AGGREG\_ORDER\_V**;**



**LAB5**

**select** first\_name,last\_name,class\_code,grade\_pt **from** student\_table **where** first\_name='kenvy'**;**



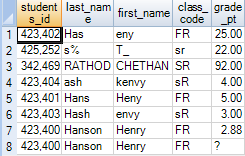
**select** first\_name **as** fname,last\_name **as** lname,class\_code **as** code,grade\_pt **from** student\_table **where** first\_name='kenvy'**;**



**select** first\_name **as** fname,last\_name lname,class\_code "code",grade\_pt **as** "avg" **from** student\_table **where** first\_name='kenvy' **order** **by** "avg"**;**



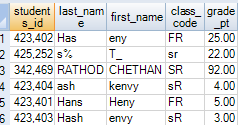
**select** \* **from** student\_table **where** class\_code **IS** **NOT** **NULL;**



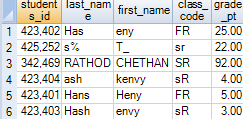
**select** \* **from** student\_table **where** class\_code **IS** **NULL;**



**select** \* **from** student\_table **where** grade\_pt>=3.0**;**



**select** \* **from** student\_table **where** grade\_pt GE 3.0**;**



**select** \* **from** student\_table **where** class\_code='FR' **and** first\_name='Henry'**;**



**select** \* **from** student\_table **where** grade\_pt=3.0 **or** grade\_pt=4.0**;**



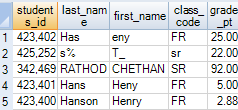
**select** \* **from** student\_table **where** grade\_pt=3.0 **or** grade\_pt=4.0 **and** class\_code='SR'**;**



**select** \* **from** student\_table **where** grade\_pt **IN** (3.0,4.0) **and** class\_code='SR'**;**



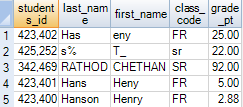
**select** \* **from** student\_table **where** grade\_pt **NOT** **IN** (2.0,3.0,4.0)**;**



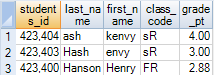
**select** \* **from** student\_table **where** grade\_pt= ANY (2.0,3.0,4.0)**;**



**select** \* **from** student\_table **where** grade\_pt **NOT**= **ALL** (2.0,3.0,4.0)**;**



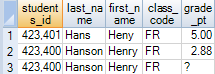
**select** \* **from** student\_table **where** grade\_pt BETWEEN 2.0 **AND** 4.0**;**



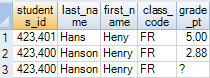
**select** \* **from** student\_table **where** last\_name like 'S%'**;**



**select** \* **from** student\_table **where** last\_name LIKE ANY( '%e%','%n%')**;**



**select** \* **from** student\_table **where** last\_name LIKE **ALL**( '%a%','%n%')**;**



**select** \* **from** student\_table **where** last\_name LIKE '%n'**;**



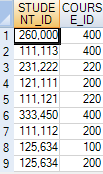
**select** \* **from** student\_table **where** TRIM(last\_name) LIKE '%n'**;**



**select** \* **from** student\_table **where** first\_name LIKE 's@%' **escape** '@'**;**



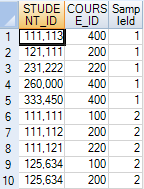
**select** \* **from** student\_course\_table **SAMPLE** 9**;**



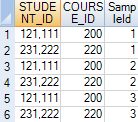
**select** \* **from** student\_course\_table **SAMPLE** .25**;**



**select** student\_id,course\_id,**SAMPLEID** **from** student\_course\_table **sample** 5,6,7 **order** **by** 3,1,2**;**



**select** student\_id,course\_id,**SAMPLEID** **from** student\_course\_table **sample** **with** **replacement** 2,2,2 **order** **by** 3,1,2**;**



**select** student\_id,course\_id,**SAMPLEID** **from** student\_course\_table **sample** **randomized** **allocation** .1,.1,.1,.1**;**

