**QUESTION 1:**

.logon 10.58.00.66/TD\_USER,TD\_USER;

CREATE MULTISET TABLE WH\_\_TD,NO FALLBACK,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM=DEFAULT,

DEFAULT MERGEBLOCKRATIO

(NAME VARCHAR(10));

INSERT INTO WH\_\_TD('WARE HOUSE');

.LOGOFF

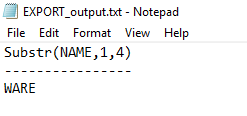
.EXIT

.logon 10.58.00.66/TD\_USER24,TD\_USER24;

SELECT SUBSTR(NAME,1,4)FROM WAREHOUSE;

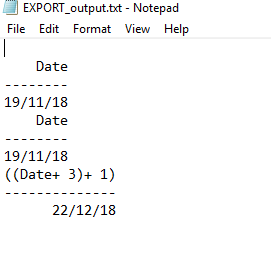
.LOGOFF

.EXIT



**QUESTION 2:**

To retrieve current date and current date + 3 years and 1 month.

****

**QUESTION 3:**

CREATE MACRO EMPLOY\_NAME\_RETRIVAL(EMPLOYEE\_LOCATION VARCHAR(10)) AS

(

SELECT EMPLOYEE\_NAME FROM EMPLOYEE\_RA

WHERE EMPLOYEE\_LOCATION=:EMPLOYEE\_LOCATION;

);

EXEC EMPLOY\_NAME\_RETRIVAL('Canada');

**Question 4:**

**EMPLOYEE.TXT**

.logon 10.58.00.66/TD\_USER,TD\_USER;

CREATE MULTISET TABLE EMPLOYEE\_\_TD,NO FALLBACK,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM=DEFAULT,

DEFAULT MERGEBLOCKRATIO

(EMPLOYEE\_NAME VARCHAR(10),

EMPLOYEE\_LOCATION VARCHAR(10));

INSERT INTO EMPLOYEE\_\_TD('Joe','New York');

INSERT INTO EMPLOYEE\_\_TD('Sunil','India');

INSERT INTO EMPLOYEE\_\_TD('Alex','Russia');

INSERT INTO EMPLOYEE\_\_TD('Albert','Canada');

INSERT INTO EMPLOYEE\_\_TD('Jack','New York');

INSERT INTO EMPLOYEE\_\_TD('Alex','Russia');

SELECT \* FROM EMPLOYEE\_\_TD QUALIFY ROW\_NUMBER() OVER(PARTITION BY EMPLOYEE\_LOCATION ORDER BY EMPLOYEE\_NAME)=1;

.LOGOFF

.EXIT

**EMPLOYEE\_LOG.TXT:**

**SELECT** \* **FROM** EMPLOYEE\_\_TD **QUALIFY** ROW\_NUMBER() OVER(**PARTITION** **BY** EMPLOYEE\_LOCATION **ORDER** **BY** EMPLOYEE\_NAME)=1**;**

**QUESTION 6:**

**Creating salesperson table:**

Create set table TD\_BIM\_FR\_TRNG\_DB.SALESPERSON, NO FALLBACK,

NO BEFORE JOURNAL,  
NO AFTER JOURNAL,  
CHECKSUM= DEFAULT,

DEFAULT MERGEBLOCKRATIO

(id INTEGER, name VARCHAR(10) CHARACTER SET LATIN NOT CASESPECIFIC, age INTEGER, salary INTEGER)

PRIMARY INDEX(id);

**Creating customer table:**

Create set table TD\_BIM\_FR\_TRNG\_DB.CUSTOMER, FALLBACK,

NO BEFORE JOURNAL,  
NO AFTER JOURNAL,  
CHECKSUM= DEFAULT,

DEFAULT MERGEBLOCKRATIO

(id INTEGER ‘ID’ NOT NULL, cust\_name CHAR(25) CHARACTER SET LATIN NOT CASESPECIFIC TITLE ‘Name’ NOT NULL, CITY CHAR(10) CHARACTER SET LATIN NOT CASESPECIFIC TITLE ‘INDUSTRY TYPE’)

PRIMARY INDEX(id);

**Creating orders table:**

Create set table TD\_BIM\_FR\_TRNG\_DB.CUSTOMER, FALLBACK,

NO BEFORE JOURNAL,  
NO AFTER JOURNAL,  
CHECKSUM= DEFAULT,

DEFAULT MERGEBLOCKRATIO

(order\_number INTEGER, order\_date DATE FORMAT ‘mm/dd/yy’, cust\_id INTEGER, salesperson\_id INTEGER)

PRIMARY INDEX(order\_number);

* Finding the name of all salespeople that have an order with samsonic

select sap.name from Salesperson sap,Customer cus,Orders ord where sap.id=orders.salesperson\_id and cus.id=orders.cust\_id and cus.id = 4 group by sap.name;

🡪finding the names of all people that do not have any order with samsonic.

select sap.name from Salesperson sap,Customer cus,Orders ord where sap.id=orders.salesperson\_id and cus.id=orders.cust\_id and cus.id not in 4 group by sap.name;

🡪the names of salespeople that have 2 or more orders.

select sap.name from Salesperson sap,Customer cus,Orders ord where sap.id=orders.salesperson\_id and cus.id=orders.cust\_id and orders.order\_number >2 group by sap.name

* To insert rows into a table called high achiever.

CREATE TABLE HIGHACHIEVER\_PRI(NAME VARCHAR(10),AGE INTEGER);

INSERT INTO HIGHACHIEVER\_PRI SELECT SP.NAME,AGE

     FROM SALESPERSON\_PRI SP WHERE SALARY >100000;

SELECT \* FROM HIGHACHIEVER\_PRI;

**Question 7:**

**Fastload\_script1.fld:**

.SESSIONS 50;

.logon 10.58.00.66/TD\_USER,TD\_USER;

.set record vartext ",";

drop table fastload\_p;

drop table fastload\_p;

drop table fastload\_p;

CREATE SET TABLE fastload\_p, FALLBACK ,

NO BEFORE JOURNAL,

NO AFTER JOURNAL,

CHECKSUM = DEFAULT,

DEFAULT MERGEBLOCKRATIO

(empno varchar(10),

dept\_no varchar(10),

First\_Name VARCHAR(20),

Last\_Name VARCHAR(20),

salary varchar(20)

)

PRIMARY INDEX fastload\_p(empno);

DEFINE

empno (varchar(10)),

dept\_no (VARCHAR(10)),

First\_Name (VARCHAR(20)),

Last\_Name (VARCHAR(20)),

salary (varchar(20))

file="C:\Users\B\TD\EmpUS.txt";

BEGIN loading fastload\_p

errorfiles fastload\_p,fastload\_p;

insert into fastload\_p (

empno,

dept\_no,

First\_Name,

Last\_Name,

salary

)

VALUES

(

:empno,

:dept\_no,

:First\_Name,

:Last\_Name,

:salary

);

.logoff;

.quit;

**Fastload\_script2.fld:**

.logon 10.58.00.66/TD\_USER,TD\_USER;

.set record vartext ",";

DEFINE

empno (varchar(10)),

dept\_no (VARCHAR(10)),

First\_Name (VARCHAR(20)),

Last\_Name (VARCHAR(20)),

salary (varchar(20))

file="C:\TD\FastLoad\EmpUS.txt";

BEGIN loading fastload\_p

errorfiles fastload\_p,fastload\_p;

insert into fastload\_p(

empno,

dept\_no,

First\_Name,

Last\_Name,

salary

)

VALUES

(

:empno,

:dept\_no,

:First\_Name,

:Last\_Name,

:salary

);

end loading;

.logoff;

.quit;

Output:

