Table: USER1.emp

------------------------------------

Eno Ename Sal Doj

------------------------------------

e1 ram 1000 2011-01-01

e2 abc 2000 2011-01-01

e3 gam 3000 2011-01-01

e4 bam 4000 2011-01-01

e5 tam 1000 2012-03-03

e6 nam 1000 2012-03-03

Update Sal = Sal\*10 where Doj=2011-01-01

--------------------------------------

Select \* from USER1.emp where Doj=2011-01-01

--------------------------------------

Cursor not defined

--------------------------------------

Employee expense Report -2011-01-01

Emp-id Emp-oldsal empnewsal Hike

e1 1000 1000\*10 9000

e2 2000 2000\*10 18000

e3 3000 3000\*10 17000

e4 4000 4000\*10 36000

Total-new-Sal=\_\_\_\_\_\_\_\_

Total Hike: \_\_\_\_\_\_

--------------------------------------

--------------Declare cursor----------

EXEC SQL

DECLARE EMPL-CSR CURSOR FOR

SELECT EMP\_NO,EMP\_NAME,EMP\_JOIN\_DATE,EMP\_SAL

FROM EMP\_TBL

WHERE EMP\_JOIN\_DATE =:hv-emP-JOIN-DATE

END-EXEC.

--------------Declare cursor----------

--------------Open cursor-------------

Move 2011-11-11 to hv-emp-join-date.

EXEC SQL

OPEN EMPL-CSR

END-EXEC.

--------------Open cursor-------------

------------Fetch cursor--------------

EXEC SQL

FETCH EMPL-CSR INTO :EMP-NO,:EMP-NAME,

:EMP-JOIN-DATE,:EMP-SAL,

END-EXEC.

------------Fetch cursor--------------

------------close cursor--------------

EXEC SQL

CLOSE EMPL-CSR

END-EXEC.

------------Close cursor--------------

----------Cursor with hold-----------

Use the WITH HOLD keywords to create a hold cursor. A hold cursor allows uninterrupted access to a set of rows across multiple transactions.

Ordinarily, all cursors close at the end of a transaction. A hold cursor does not close; it remains open after a transaction ends.

A hold cursor can be either a sequential cursor or a scroll cursor.

You can use the WITH HOLD keywords to declare select and function cursors (sequential and scroll)

----------Cursor with hold-----------

As soon as the COMMIT statement is executed in a program, the cursor gets automatically closed, So we need to give CURSOR WITH HOLD clause, in order to keep it open after execution of the COMMIT statement.

----------Cursor with hold-----------

CURSOR with WITHOLD is very useful where we need to use more than 1 database simultaneously. Suppose you are reading or fetching a value from local database and updating those retrieved values in a remote DB.

----------Cursor with hold-----------