Batch: A1 Roll No.:

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Experiment / assignment / tutorial No. 6(Lab

work)

Grade: AA / AB / BB / BC / CC / CD /DD

Title: PROCEDURE & CURSOR

The following creates SOLDIER procedure named Transfer that Transfer specific amount of SALARY from SOLDIERS SALARY to another.

CREATE OR REPLACE PROCEDURE Transfer()

LANGUAGE plpgsql

AS \$\$

BEGIN

-- subtracting the amount from the SOLDIER's SALARY

UPDATE SOLDIERS

SET SALARY = SALARY - 10000

WHERE SSNO = 609;

-- adding the amount to the SOLDIER's SALARY

UPDATE SOLDIERS

SET SALARY = SALARY + 10000

WHERE SSNO = 608;

COMMIT;

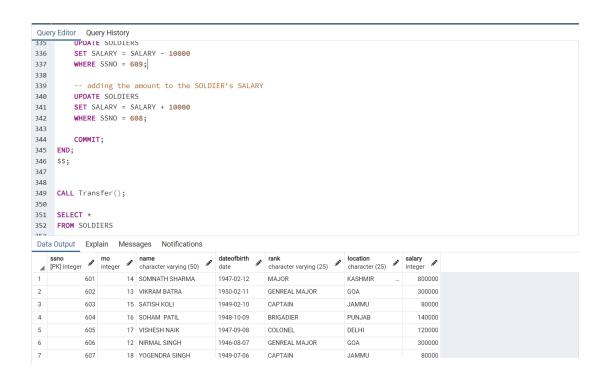
END;

\$\$;

CALL Transfer();

SELECT *

FROM SOLDIERS



//CURSOR

END LOOP;

CLOSE SSNO;

END;

```
//FITCHING INTO RECORDS WITH A CURSOR

DECLARE

TYPE SCUrTyp IS REF CURSOR;

SSNO SCUrTyp;

RNO emp%ROWTYPE;

NAME VARCHAR2(200);

RANK VARCHAR2(15) := 'MAJOR';

BEGIN

sql_stmt := 'SELECT * FROM SOLDIERS WHERE SSNO = :609';

OPEN SOLDIER_REC FOR sql_stmt USING RANK;

LOOP

FETCH SSNO INTO RNO;

EXIT WHEN SOLDIER_REC%NOTFOUND;

-- process record
```



```
359 DECLARE
       TYPE SCurTyp IS REF CURSOR;
360
        SSNO SCurTyp;
361
        RNO emp%ROWTYPE;
362
363
        NAME VARCHAR2(200);
        RANK VARCHAR2(15) := 'MAJOR';
364
365 ▼ BEGIN
        sql_stmt := 'SELECT * FROM SOLDIERS WHERE SSNO = :609';
366
367
        OPEN SOLDIER_REC FOR sql_stmt USING RANK;
        L00P
368 ▼
369
           FETCH SSNO INTO RNO;
           EXIT WHEN SOLDIER_REC%NOTFOUND;
370
371
           -- process record
        END LOOP;
372
373
        CLOSE SSNO;
374 END;
375
376
Data Output Explain Messages Notifications
ERROR: syntax error at or near "SCurTyp"
LINE 3: TYPE SCurTyp IS REF CURSOR;
 SQL state: 42601
```