BULK SQL. FORALL

FORALL

```
CREATE TABLE T1 (pnum INTEGER, pname VARCHAR2(15));
CREATE TABLE T2 (pnum INTEGER, pname VARCHAR2(15));

DECLARE
 TYPE NumTab IS TABLE OF Number INDEX BY BINARY_INTEGER;
 TYPE NameTab IS TABLE OF VARCHAR2(15) INDEX BY BINARY_INTEGER;
 pnums NumTab;
 pnames NameTab;
 iterations CONSTANT PLS_INTEGER := 50000;
 t1 INTEGER; t2 INTEGER; t3 INTEGER;
BEGIN
 FOR j IN 1..iterations
   LOOP
   pnums(j) := j;
   pnames(j) := 'Part No. ' || TO_CHAR(j);
   END LOOP;
```

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```
t1 := dbms_utility.get_time;
FOR i IN 1..iterations
    LOOP
            INSERT INTO T1 VALUES (pnums(i), pnames(i));
    END LOOP;
t2 := dbms_utility.get_time;
FORALL i IN 1..iterations
    INSERT INTO T2 VALUES (pnums(i), pnames(i));
t3 := dbms_utility.get_time;
dbms_output.put_line('Execution Time (secs)');
dbms_output.put_line('--------------------');
dbms_output.put_line('FOR loop: ' || TO_CHAR((t2 - t1)/100));
dbms_output.put_line('FORALL: ' || TO_CHAR((t3 - t2)/100));
COMMIT;
END;
/
```