David Willis

Lingma Acheson

CIT 304

3.30.18

Course Project 6

Query 1 – Use the employee table created in project 5 to create another table inserting all the employee ID numbers (the auto generated sequence), and create a performance review column with a randomly generated review rating from 1 to 5

CREATE TABLE EMPLOYEE\_REVIEW (

employee\_id int,

employee\_review\_score NUMBER,

CHECK (employee\_review\_score BETWEEN 1 AND 5)

);

DECLARE

v\_emp\_id EMPLOYEE\_INFO.employee\_id%TYPE;

CURSOR c\_emp IS

SELECT employee\_id

FROM EMPLOYEE\_INFO;

RAND\_NUM NUMBER;

RAND\_NUM\_INSERT NUMBER;

BEGIN

OPEN c\_emp;

LOOP

FETCH c\_emp INTO v\_emp\_id;

EXIT when c\_emp%NOTFOUND;

SELECT ROUND(dbms\_random.value(1,5)) INTO RAND\_NUM from dual;

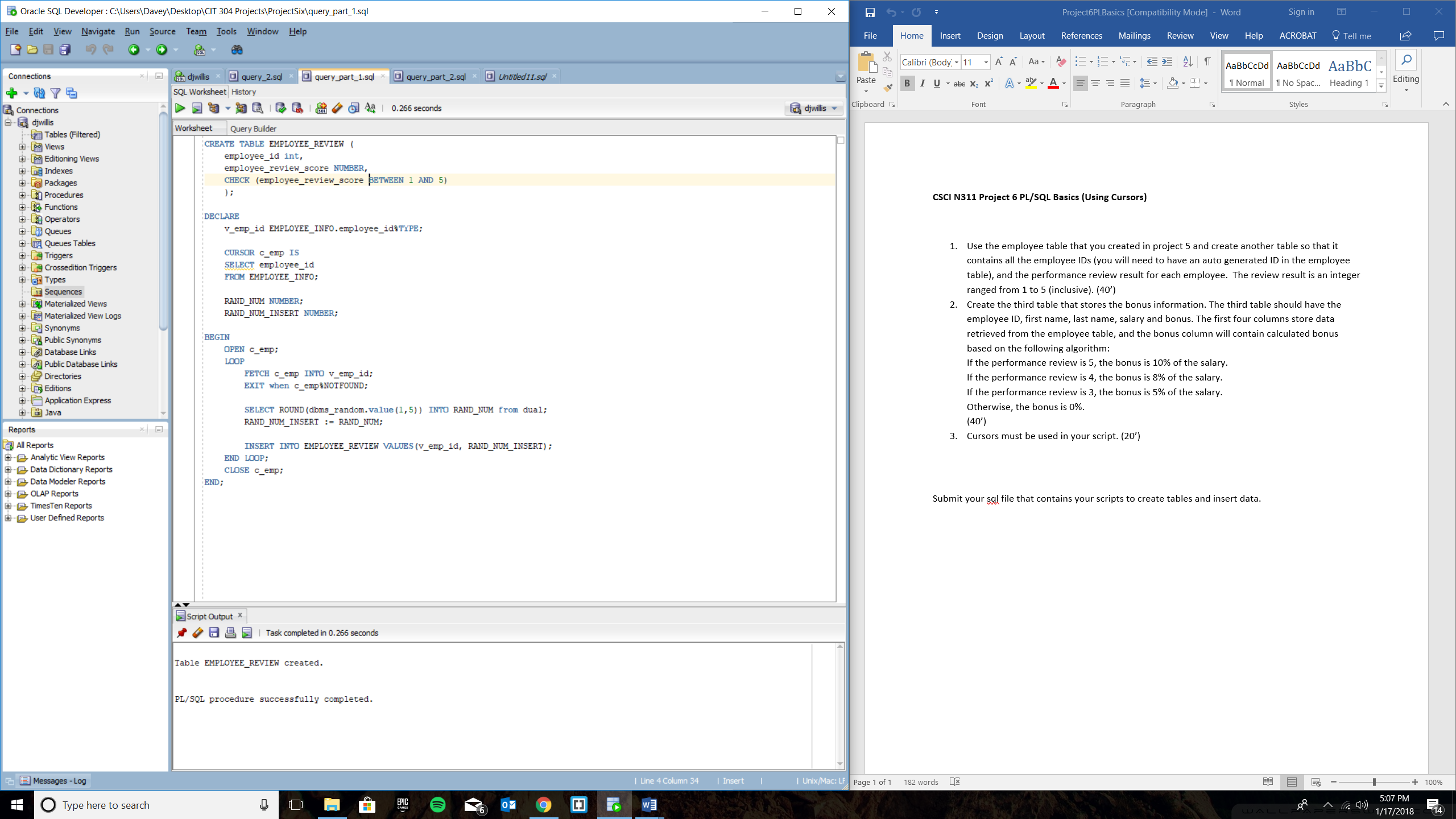
RAND\_NUM\_INSERT := RAND\_NUM;

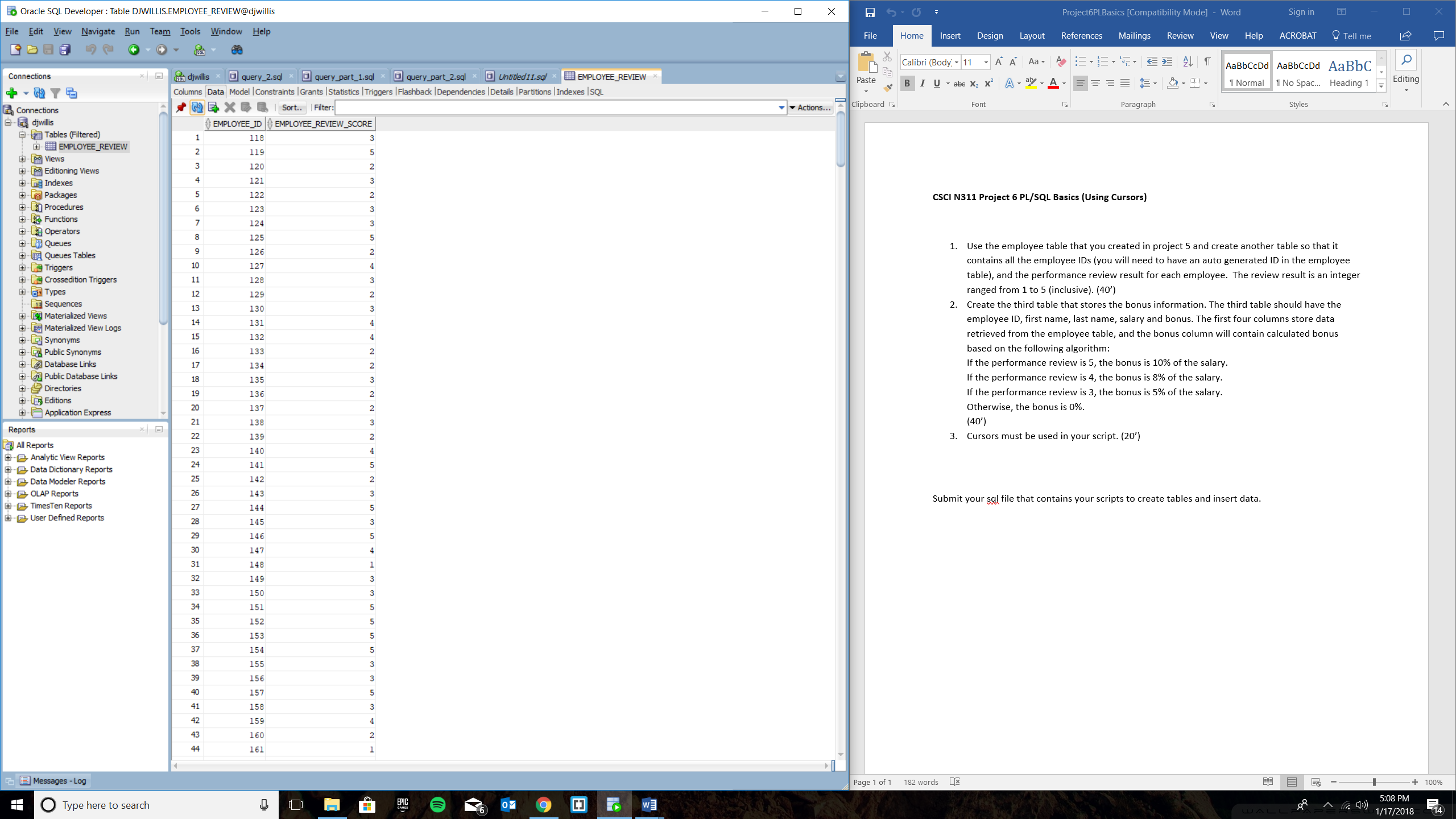
INSERT INTO EMPLOYEE\_REVIEW VALUES(v\_emp\_id, RAND\_NUM\_INSERT);

END LOOP;

CLOSE c\_emp;

END;





Query Part 2 – Create a third table that will store bonus information, which will include employee ID, first name, last name, salary, and bonus in which the first four columns store data retrieved from the EMPLOYEE table, but the bonus column will contain data based off of the randomly generated performance review from step one of this project. If the performance review equals 5, then the bonus should be 10% of the employee’s salary and inserted into the newly created EMPLOYEE\_BONUS column. If the review equals 4, then the bonus should be 8% of the employee salary and inserted into the new table. If the review equals 3, then the bonus should be 5% of the employee salary and inserted into the new table. Lastly, if the review is anything else (or anything below 3), then the bonus should be 0.

CREATE TABLE EMPLOYEE\_BONUS (

employee\_id int,

employee\_first\_name VARCHAR(10),

employee\_last\_name VARCHAR(10),

employee\_salary NUMBER,

employee\_bonus NUMBER

);

DECLARE

v\_emp\_id EMPLOYEE\_INFO.employee\_id%TYPE;

v\_emp\_first\_name EMPLOYEE\_INFO.employee\_first\_name%TYPE;

v\_emp\_last\_name EMPLOYEE\_INFO.employee\_last\_name%TYPE;

v\_emp\_salary EMPLOYEE\_INFO.employee\_salary%TYPE;

v\_emp\_review EMPLOYEE\_REVIEW.employee\_review\_score%TYPE;

CURSOR c\_emp IS

SELECT employee\_id, employee\_first\_name, employee\_last\_name, employee\_salary

FROM EMPLOYEE\_INFO;

CURSOR c\_emp\_review IS

SELECT employee\_review\_score

FROM EMPLOYEE\_REVIEW;

bonus\_tot NUMBER;

BEGIN

OPEN c\_emp;

OPEN c\_emp\_review;

LOOP

FETCH c\_emp INTO v\_emp\_id, v\_emp\_first\_name, v\_emp\_last\_name, v\_emp\_salary;

EXIT when c\_emp%NOTFOUND;

FETCH c\_emp\_review INTO v\_emp\_review;

EXIT WHEN c\_emp\_review%NOTFOUND;

IF v\_emp\_review = 5 THEN

bonus\_tot := v\_emp\_salary \* .10;

INSERT INTO EMPLOYEE\_BONUS VALUES(v\_emp\_id, v\_emp\_first\_name, v\_emp\_last\_name, v\_emp\_salary, bonus\_tot);

ELSIF v\_emp\_review = 4 THEN

bonus\_tot := v\_emp\_salary \* .08;

INSERT INTO EMPLOYEE\_BONUS VALUES(v\_emp\_id, v\_emp\_first\_name, v\_emp\_last\_name, v\_emp\_salary, bonus\_tot);

ELSIF v\_emp\_review = 3 THEN

bonus\_tot := v\_emp\_salary \* .05;

INSERT INTO EMPLOYEE\_BONUS VALUES(v\_emp\_id, v\_emp\_first\_name, v\_emp\_last\_name, v\_emp\_salary, bonus\_tot);

ELSE

INSERT INTO EMPLOYEE\_BONUS VALUES(v\_emp\_id, v\_emp\_first\_name, v\_emp\_last\_name, v\_emp\_salary, 0);

END IF;

END LOOP;

CLOSE c\_emp;

CLOSE c\_emp\_review;

END;

