

MIDTERM DATABASE II

2024-03-12

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Q11-

SET SERVEROUTPUT ON

SET VERIFY OFF

DECLARE

V_JOBID EMPLOYEE.JOB_ID%TYPE;

v_MAXSALARY EMPLOYEE.SALARY%TYPE;

BEGIN

FOR REC IN (SELECT JOB_ID, MAX(SALARY) AS MAX_SALARY

FROM EMPLOYEE

GROUP BY JOB_ID)

LOOP

V_JOBID := REC.JOB_ID;

V_MAXSALARY := REC.MAX_SALARY;

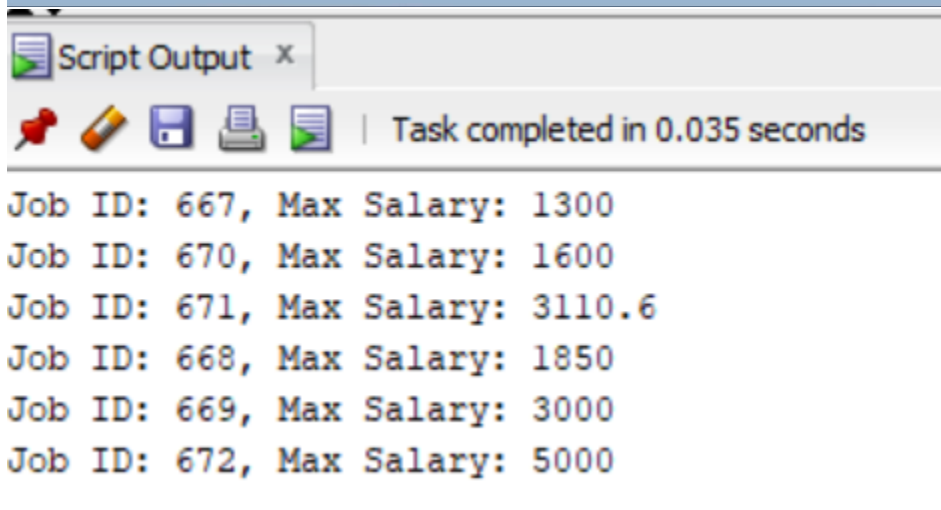
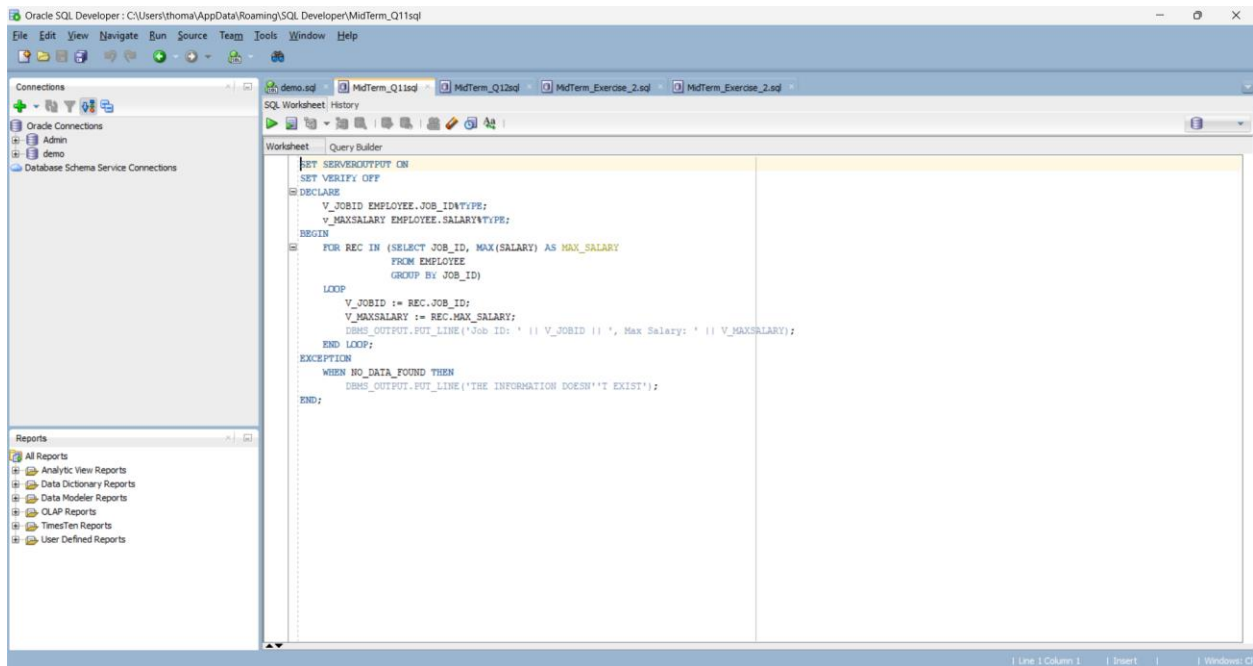
DBMS_OUTPUT.PUT_LINE('Job ID: ' || V_JOBID || ', Max Salary: ' || V_MAXSALARY);

END LOOP;

EXCEPTION

WHEN NO_DATA_FOUND THEN

DBMS_OUTPUT.PUT_LINE('THE INFORMATION DOESN'T EXIST');



Q12-

SET SERVEROUTPUT ON

SET VERIFY OFF

DECLARE

V_JOBID EMPLOYEE.JOB_ID%TYPE;

V_JOBTITLE JOB.FUNCTION%TYPE;

V_MAXSALARY EMPLOYEE.SALARY%TYPE;

V_MINSALARY EMPLOYEE.SALARY%TYPE;

BEGIN

```
DBMS_OUTPUT.PUT_LINE('JOB ID MAX SALARY MIN SALARY JOB TITLE');
```

```
FOR REC IN (SELECT JOB_ID, FUNCTION, MAX(SALARY) AS MAX_SALARY, MIN(SALARY) AS MIN_SALARY
```

```
FROM EMPLOYEE
```

```
JOIN JOB USING(JOB_ID)
```

```
GROUP BY JOB_ID, FUNCTION)
```

LOOP

```
V_JOBID := REC.JOB_ID;
```

```
V_JOBTITLE := REC.FUNCTION;
```

```
V_MINSALARY := REC.MIN_SALARY;
```

```
V_MAXSALARY := REC.MAX_SALARY;
```

```
DBMS_OUTPUT.PUT_LINE(V_JOBID || ' ' || V_MAXSALARY || ' ' || V_MINSALARY || ' ' || V_JOBTITLE);
```

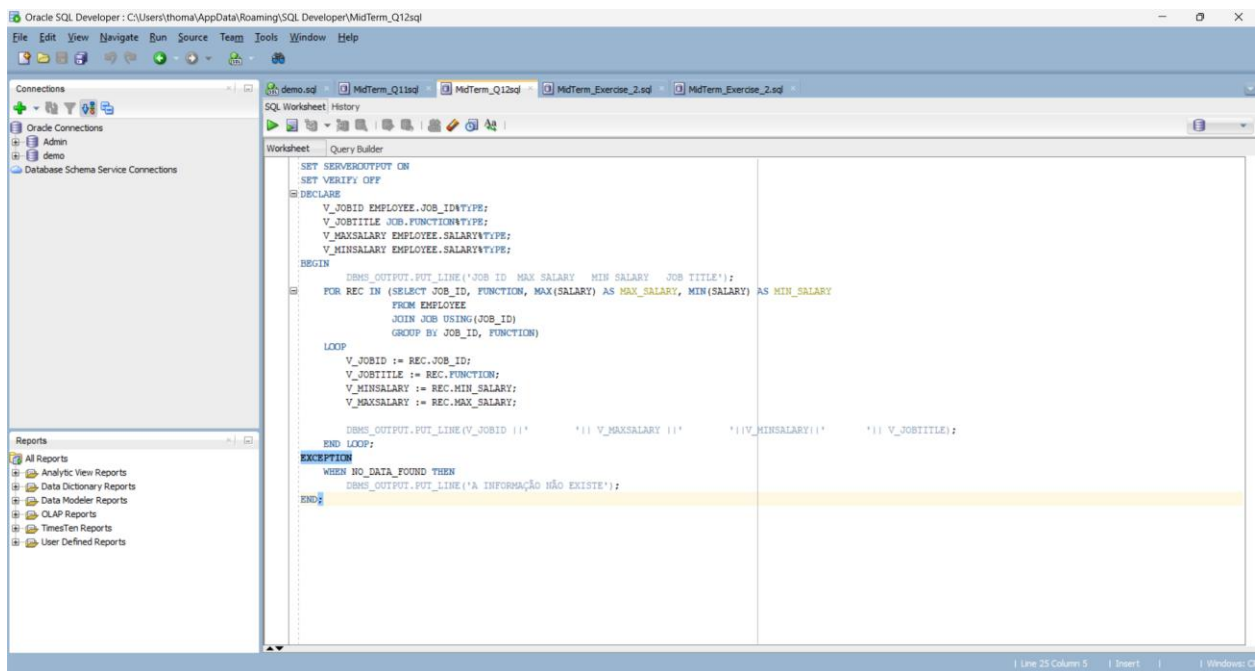
END LOOP;

EXCEPTION

```
WHEN NO_DATA_FOUND THEN
```

```
DBMS_OUTPUT.PUT_LINE('A INFORMAÇÃO NÃO EXISTE');
```

END;



12 JOIN JOB USING (JOB_ID)

Script Output x

Task completed in 0.037 seconds

JOB ID	MAX SALARY	MIN SALARY	JOB TITLE
667	1300	750	CLERK
668	1850	1800	STAFF
669	3000	2875	ANALYST
670	1600	1250	SALESPERSON
671	3110.6	2200	MANAGER
672	5000	5000	PRESIDENT

PL/SQL procedure successfully completed.

EXERCISE 2-

SET SERVEROUTPUT ON

SET VERIFY OFF

ACCEPT S_CUSTID PROMPT 'ENTER CUSTOMER ID: '

DECLARE

V_CUSTOMER_ID CUSTOMER.CUSTOMER_ID%TYPE;

V_CUSTNAME CUSTOMER.NAME%TYPE;

V_CUSTADDRESS CUSTOMER.ADDRESS%TYPE;

V_CUSTCITY CUSTOMER.CITY%TYPE;

V_CREDIT_LIMIT CUSTOMER.CREDIT_LIMIT%TYPE;

V_NEWCREDIT NUMBER(9,2);

V_AREACODE CUSTOMER.AREA_CODE%TYPE;

BEGIN

SELECT CUSTOMER_ID,NAME,ADDRESS,CITY,CREDIT_LIMIT,AREA_CODE

INTO V_CUSTOMER_ID,V_CUSTNAME,V_CUSTADDRESS,V_CUSTCITY,V_CREDIT_LIMIT,V_AREACODE

FROM CUSTOMER

WHERE CUSTOMER_ID= '&S_CUSTID';

CASE

WHEN V_AREACODE <= 400 THEN

V_NEWCREDIT:= V_CREDIT_LIMIT * 1.04;

WHEN V_AREACODE > 400 AND V_AREACODE <= 600 THEN

V_NEWCREDIT:= V_CREDIT_LIMIT * 0.97;

```
WHEN V_AREACODE > 600 THEN
```

```
V_NEWCREDIT:= V_CREDIT_LIMIT * 1.02;
```

```
ELSE
```

```
V_NEWCREDIT:= V_CREDIT_LIMIT * 1;
```

```
END CASE;
```

```
DBMS_OUTPUT.PUT_LINE('CUSTOMER ID: '||&S_CUSTID);
```

```
DBMS_OUTPUT.PUT_LINE('NAME: '||V_CUSTNAME);
```

```
DBMS_OUTPUT.PUT_LINE('ADRESS: '||V_CUSTADDRESS);
```

```
DBMS_OUTPUT.PUT_LINE('CITY: '||V_CUSTCITY);
```

```
DBMS_OUTPUT.PUT_LINE('OLD CREDIT LIMIT: '||V_CREDIT_LIMIT);
```

```
DBMS_OUTPUT.PUT_LINE('NEW CREDIT LIMIT: '||V_NEWCREDIT);
```

```
--COMMIT;
```

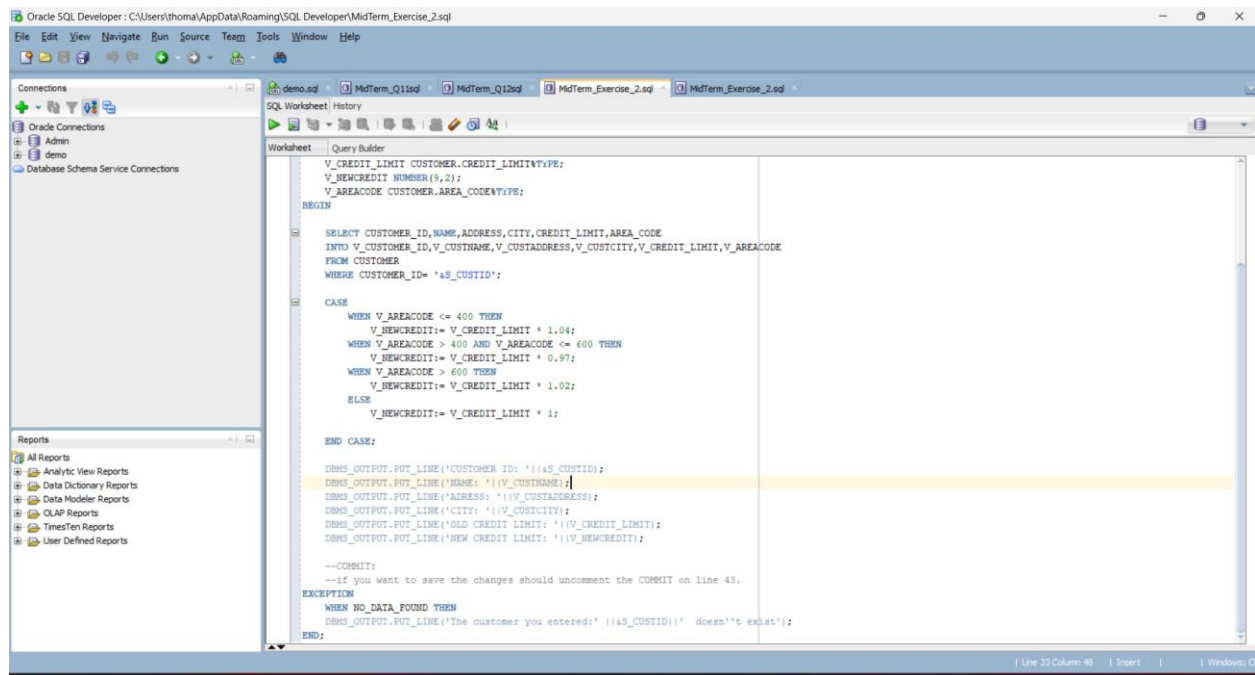
```
--if you want to save the changes should uncomment the COMMIT on line 43.
```

```
EXCEPTION
```

```
WHEN NO_DATA_FOUND THEN
```

```
DBMS_OUTPUT.PUT_LINE('The customer you entered: ' ||&S_CUSTID||' doesn''t exist');
```

```
END;
```



```
Oracle SQL Developer - C:\Users\thoma\AppData\Roaming\SQL Developer\MidTerm_Exercise_2.sql
File Edit View Navigate Run Source Team Tools Window Help
demo.sql MidTerm_Q11.sql MidTerm_Q12.sql MidTerm_Exercise_2.sql MidTerm_Exercise_2.sql
SQL Worksheet History
Worksheet Query Builder
V_CREDIT_LIMIT CUSTOMER.CREDIT_LIMIT*TYPE;
V_NEWCREDIT NUMBER(9,2);
V_AREACODE CUSTOMER.AREA_CODE*TYPE;
BEGIN
SELECT* CUSTOMER_ID,NAME,ADDRESS,CITY,CREDIT_LIMIT,AREA_CODE
INTO V_CUSTOMER_ID,V_CUSTNAME,V_CUSTADDRESS,V_CUSTCITY,V_CREDIT_LIMIT,V_AREACODE
FROM CUSTOMER
WHERE CUSTOMER_ID= '&S_CUSTID';
CASE
WHEN V_AREACODE <= 400 THEN
V_NEWCREDIT:= V_CREDIT_LIMIT * 1.04;
WHEN V_AREACODE > 400 AND V_AREACODE <= 600 THEN
V_NEWCREDIT:= V_CREDIT_LIMIT * 0.97;
WHEN V_AREACODE > 600 THEN
V_NEWCREDIT:= V_CREDIT_LIMIT * 1.02;
ELSE
V_NEWCREDIT:= V_CREDIT_LIMIT * 1;
END CASE;
DBMS_OUTPUT.PUT_LINE('CUSTOMER ID: '||&S_CUSTID);
DBMS_OUTPUT.PUT_LINE('NAME: '||V_CUSTNAME);
DBMS_OUTPUT.PUT_LINE('ADRESS: '||V_CUSTADDRESS);
DBMS_OUTPUT.PUT_LINE('CITY: '||V_CUSTCITY);
DBMS_OUTPUT.PUT_LINE('OLD CREDIT LIMIT: '||V_CREDIT_LIMIT);
DBMS_OUTPUT.PUT_LINE('NEW CREDIT LIMIT: '||V_NEWCREDIT);
--COMMIT;
--if you want to save the changes should uncomment the COMMIT on line 43.
EXCEPTION
WHEN NO_DATA_FOUND THEN
DBMS_OUTPUT.PUT_LINE('The customer you entered: ' ||&S_CUSTID||' doesn''t exist');
END;
```

Script Output x



Task completed in 2.054 seconds

CUSTOMER ID: 224

NAME: JOE'S BIKE SHOP

ADDRESS: 4500 FOX COURT

CITY: GRAND PRARIE

OLD CREDIT LIMIT: 6000

NEW CREDIT LIMIT: 6240

PL/SQL procedure successfully completed.