Topic	Oracle SQL Language Fundamentals I
Document Name	SQL01-EX-01-05

JULY – 2023

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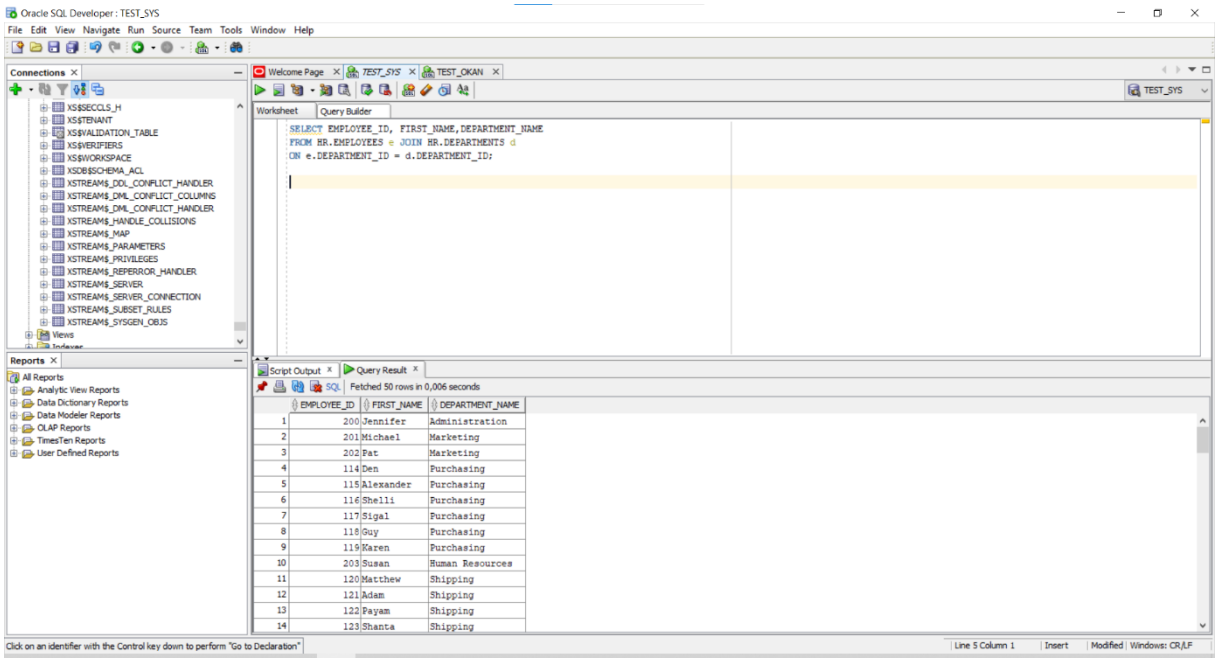
Oracle SQL Language Fundamentals I

Exercise SQL01-EX-01:

Definiton : Write an SQL query that selects employee's id, employee's first name and employee's department name for all employees. (Please use HR.EMPLOYEES and HR.DEPARTMENTS tables.)

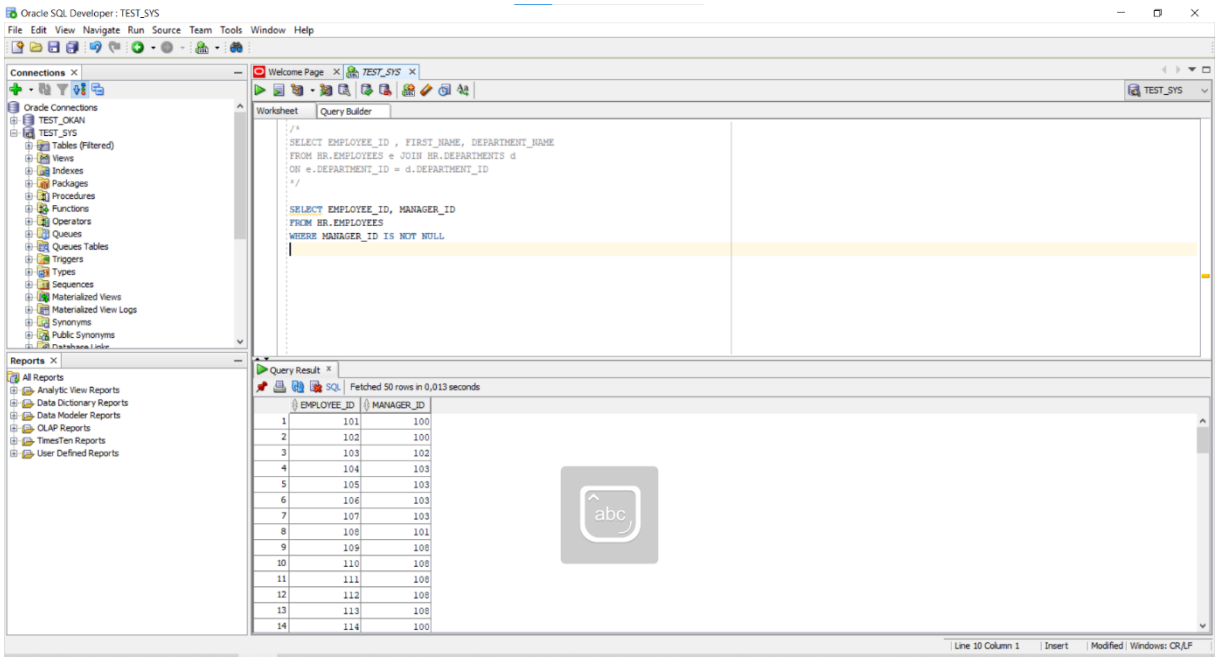
Output :



Exercise SQL01-EX-02:

Definiton : Create a report that displays the employee's id and their manager's id. (Please use HR.EMPLOYEES table)

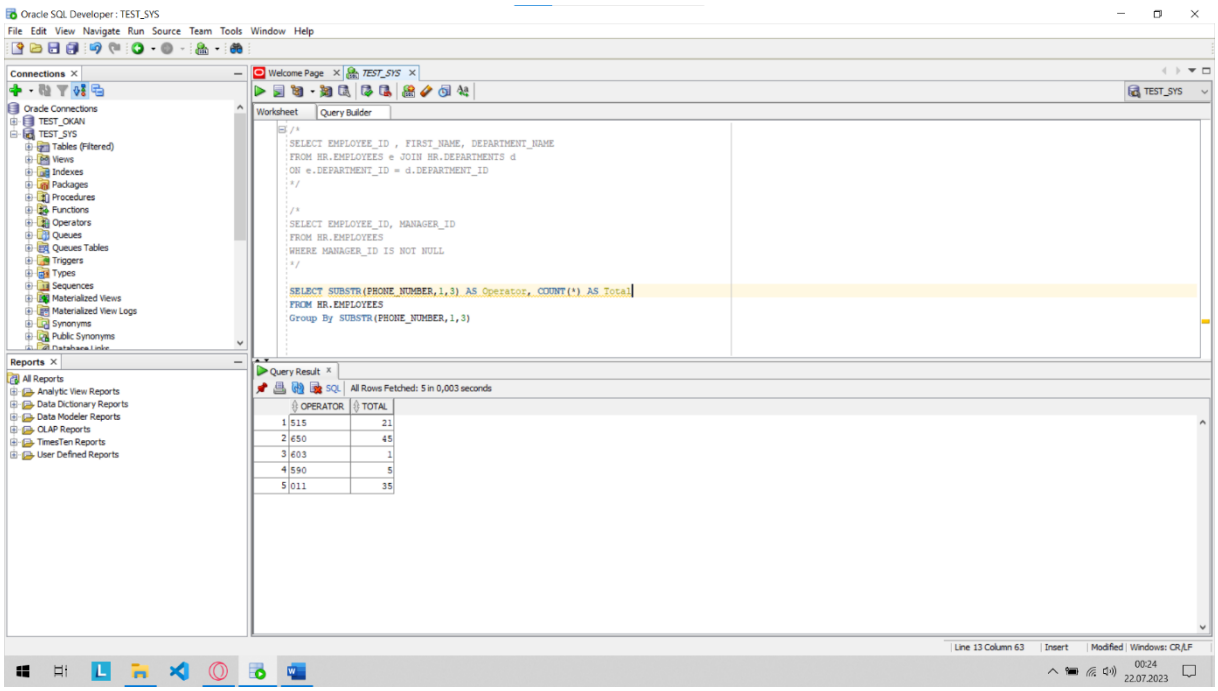
Output :



Exercise SQL01-EX-03:

Definiton : For example; first three character of PHONE_NUMBER column gives us a operator of employee. Create a report that displays the operators and their total subscriber. But we want two different displays with diffrent queries. (Please use HR.EMPLOYEES table)

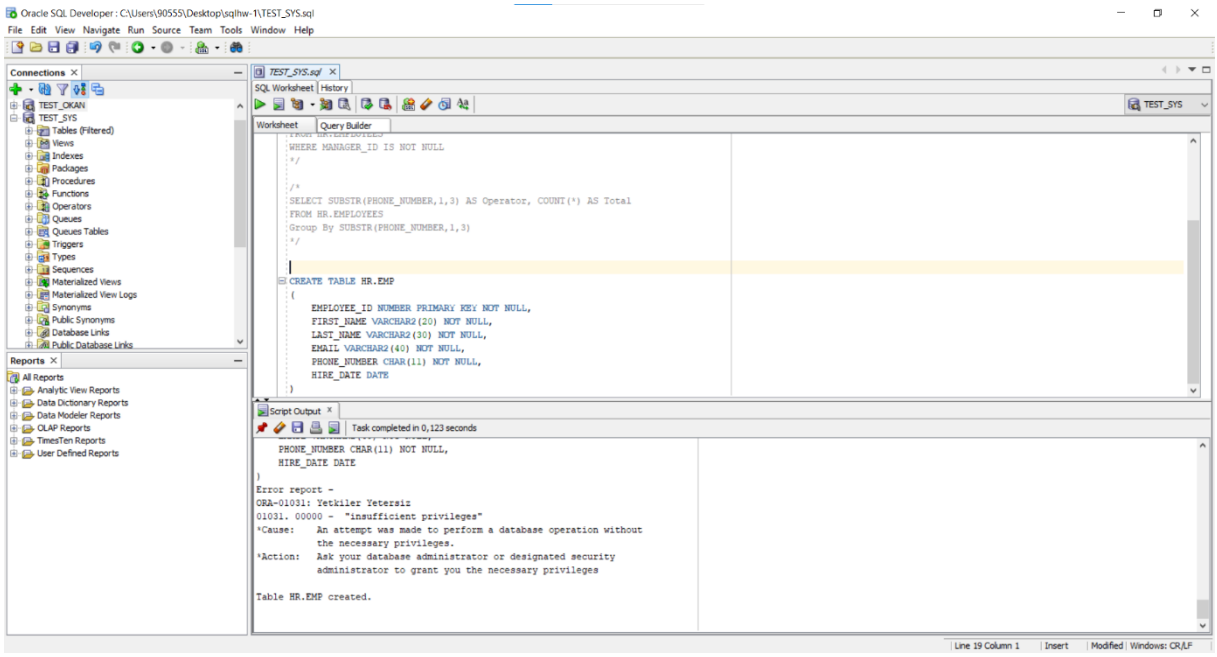
Output :

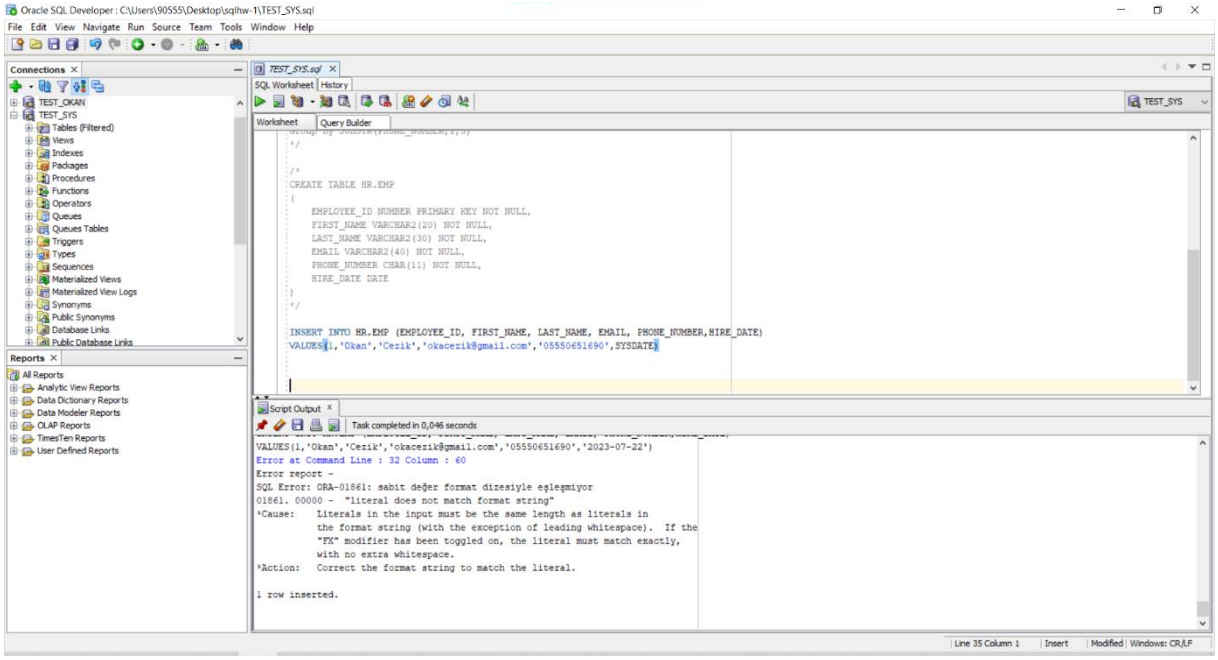


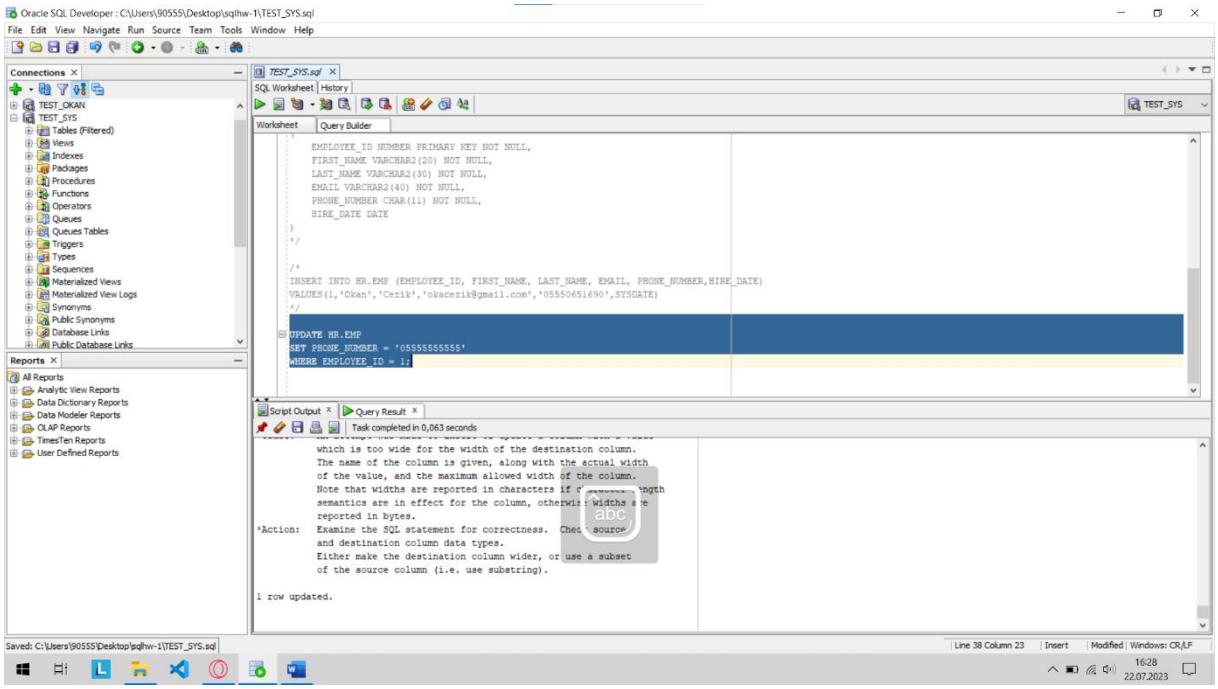
Exercise SQL01-EX-04:

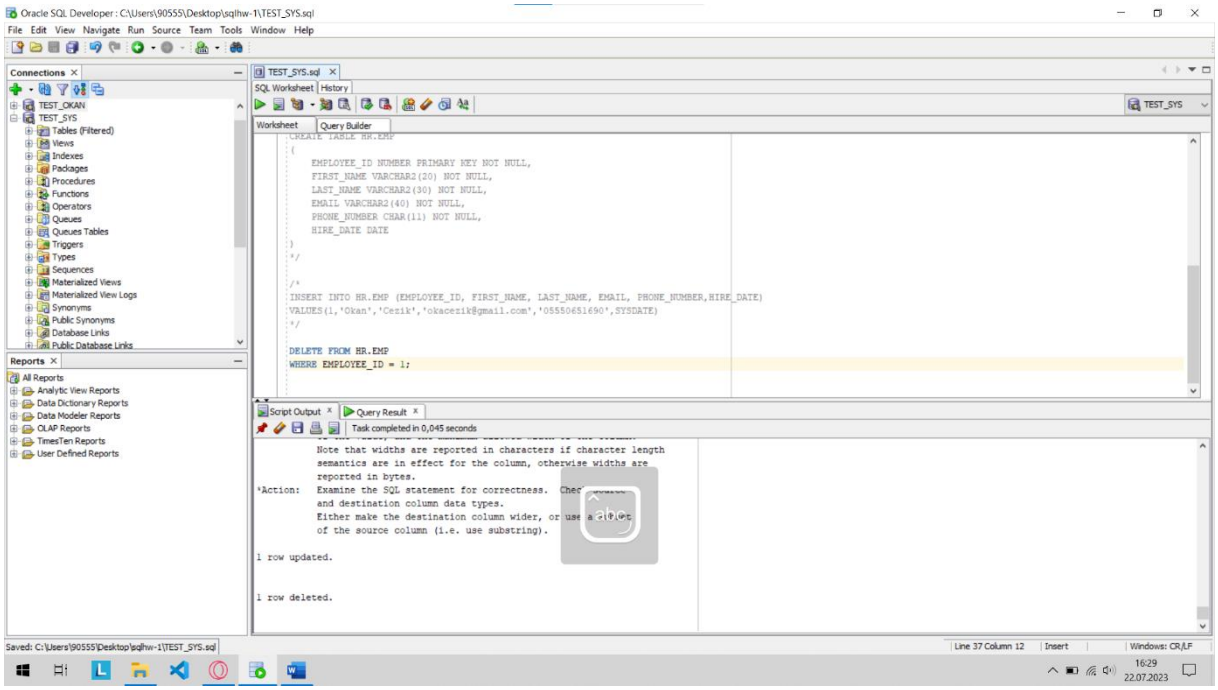
Definiton : Create a table (table name like HR.EMP) from HR.EMPLOYEES table. Insert a new row to HR.EMP table and update this employee's phone number and salary. Delete your new row and display the HR.EMP table. Finally drop your table HR.EMP.

Output :






Oracle SQL Developer : C:\Users\90555\Desktop\sqlhw-1\TEST_SYS.sql
File Edit View Navigate Run Source Team Tools Window Help
Connections
TEST_OKAN
TEST_SYS
Tables (Filtered)
Views
Indexes
Packages
Procedures
Functions
Operators
Queues
Queues Tables
Triggers
Types
Sequences
Materialized Views
Materialized View Logs
Synonyms
Public Synonyms
Database Links
Public Database Links
Reports
All Reports
Analytic View Reports
Data Dictionary Reports
Data Modeler Reports
OLAP Reports
TimesTen Reports
User Defined Reports
TEST_SYS.sql
SQL Worksheet
History
Worksheet
Query Builder
EMPLOYEE_ID NUMBER PRIMARY KEY NOT NULL,
FIRST_NAME VARCHAR2(20) NOT NULL,
LAST_NAME VARCHAR2(30) NOT NULL,
EMAIL VARCHAR2(40) NOT NULL,
PHONE_NUMBER CHAR(11) NOT NULL,
HIRE_DATE DATE
)
*/
/*
INSERT INTO HR.EMP (EMPLOYEE_ID, FIRST_NAME, LAST_NAME, EMAIL, PHONE_NUMBER,HIRE_DATE)
VALUES(1,'Okan','Cezik','okacezik@gmail.com','05550651690',SYSDATE)
*/
UPDATE HR.EMP
SET PHONE_NUMBER = '05555555555'
WHERE EMPLOYEE_ID = 1;
Script Output
Query Result
Task completed in 0,063 seconds
which is too wide for the width of the destination column.
The name of the column is given, along with the actual width
of the value, and the maximum allowed width of the column.
Note that widths are reported in characters if character length
semantics are in effect for the column, otherwise widths are
reported in bytes.
*Action: Examine the SQL statement for correctness. Check source
and destination column data types.
Either make the destination column wider, or use a subset
of the source column (i.e. use substring).
1 row updated.
Saved: C:\Users\90555\Desktop\sqlhw-1\TEST_SYS.sql
Line 38 Column 23
Insert
Modified
Windows: CR/LF
16:28
22.07.2023


Oracle SQL Developer : C:\Users\90555\Desktop\sqlhw-1\TEST_SYS.sql
File Edit View Navigate Run Source Team Tools Window Help
Connections
TEST_OKAN
TEST_SYS
Tables (Filtered)
Views
Indexes
Packages
Procedures
Functions
Operators
Queues
Queues Tables
Triggers
Types
Sequences
Materialized Views
Materialized View Logs
Synonyms
Public Synonyms
Database Links
Public Database Links
Reports
All Reports
Analytic View Reports
Data Dictionary Reports
Data Modeler Reports
OLAP Reports
TimesTen Reports
User Defined Reports
TEST_SYS.sql
SQL Worksheet
History
Worksheet
Query Builder
CREATE TABLE HR.EMP
(
EMPLOYEE_ID NUMBER PRIMARY KEY NOT NULL,
FIRST_NAME VARCHAR2(20) NOT NULL,
LAST_NAME VARCHAR2(30) NOT NULL,
EMAIL VARCHAR2(40) NOT NULL,
PHONE_NUMBER CHAR(11) NOT NULL,
HIRE_DATE DATE
)
*/
/*
INSERT INTO HR.EMP (EMPLOYEE_ID, FIRST_NAME, LAST_NAME, EMAIL, PHONE_NUMBER,HIRE_DATE)
VALUES(1,'Okan','Cezik','okacezik@gmail.com','05550651690',SYSDATE)
*/
DELETE FROM HR.EMP
WHERE EMPLOYEE_ID = 1;
Script Output
Query Result
Task completed in 0,045 seconds
Note that widths are reported in characters if character length
semantics are in effect for the column, otherwise widths are
reported in bytes.
*Action: Examine the SQL statement for correctness. Check source
and destination column data types.
Either make the destination column wider, or use a subset
of the source column (i.e. use substring).
1 row updated.
1 row deleted.
Saved: C:\Users\90555\Desktop\sqlhw-1\TEST_SYS.sql
Line 37 Column 12
Insert
Windows: CR/LF
16:29
22.07.2023

Exercise SQL01-EX-05:

Definiton : Select employees' first name and last name as masked with "*" character as shown in sample output below.

Output :