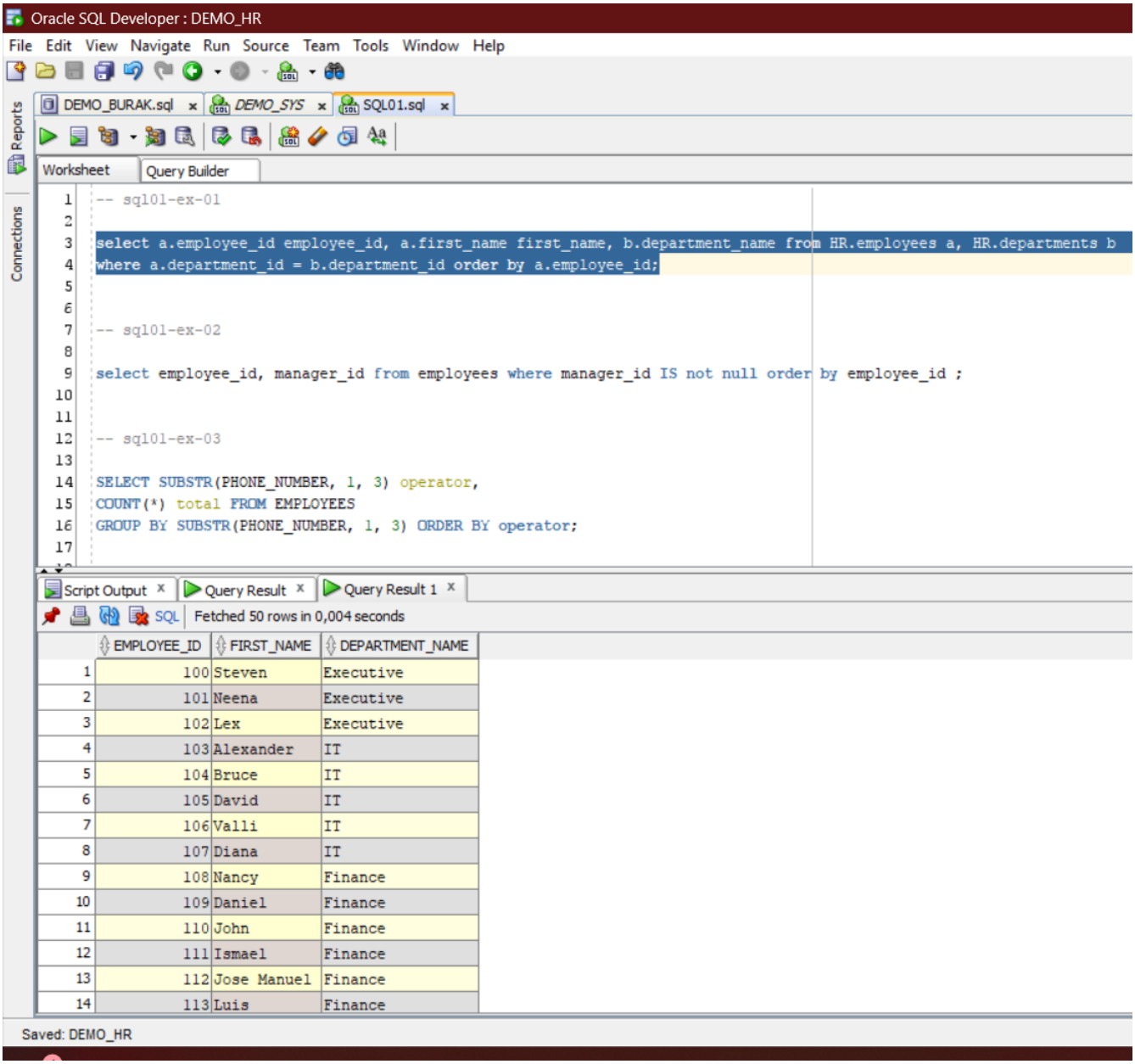
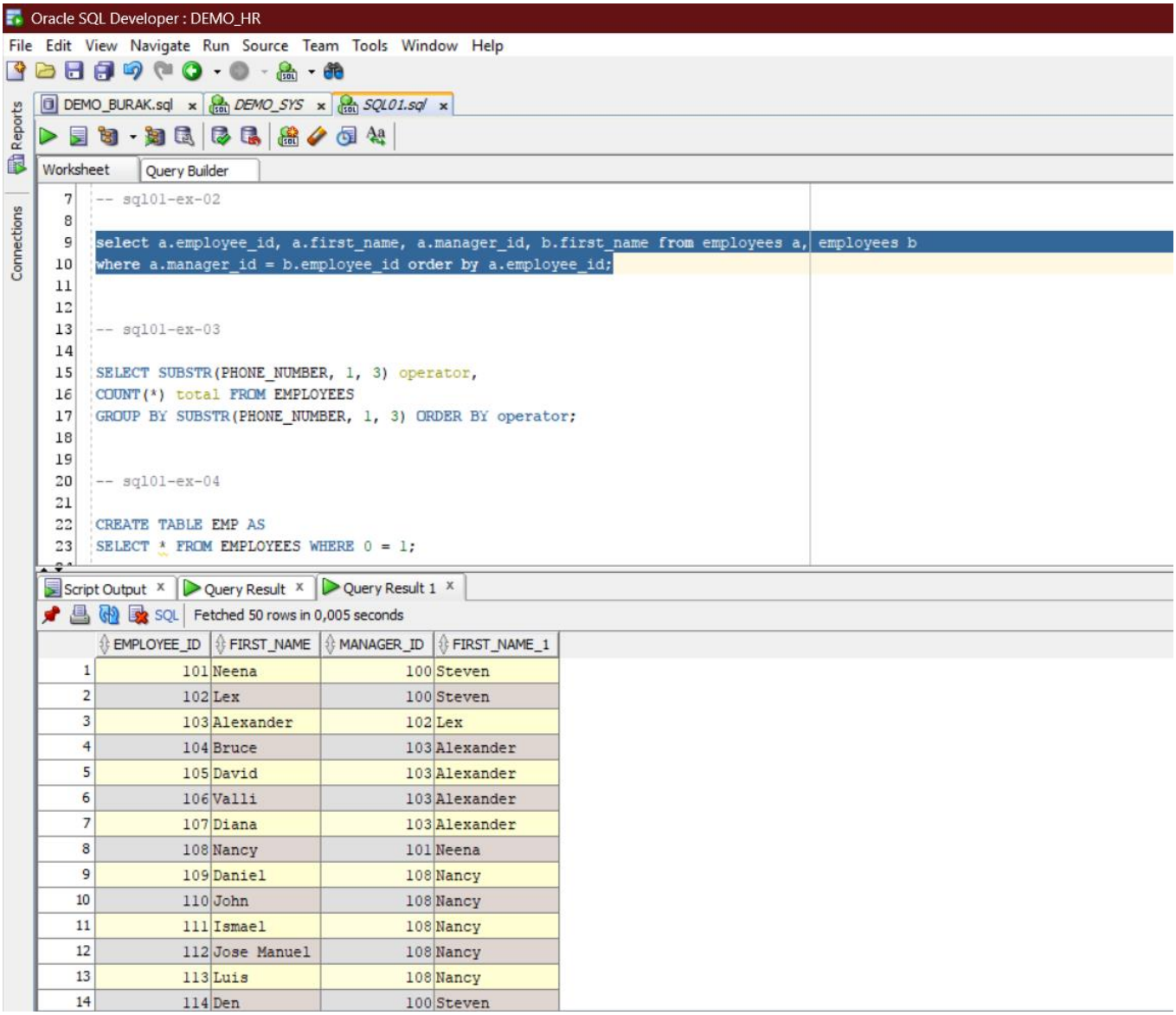
sql01-ex-01

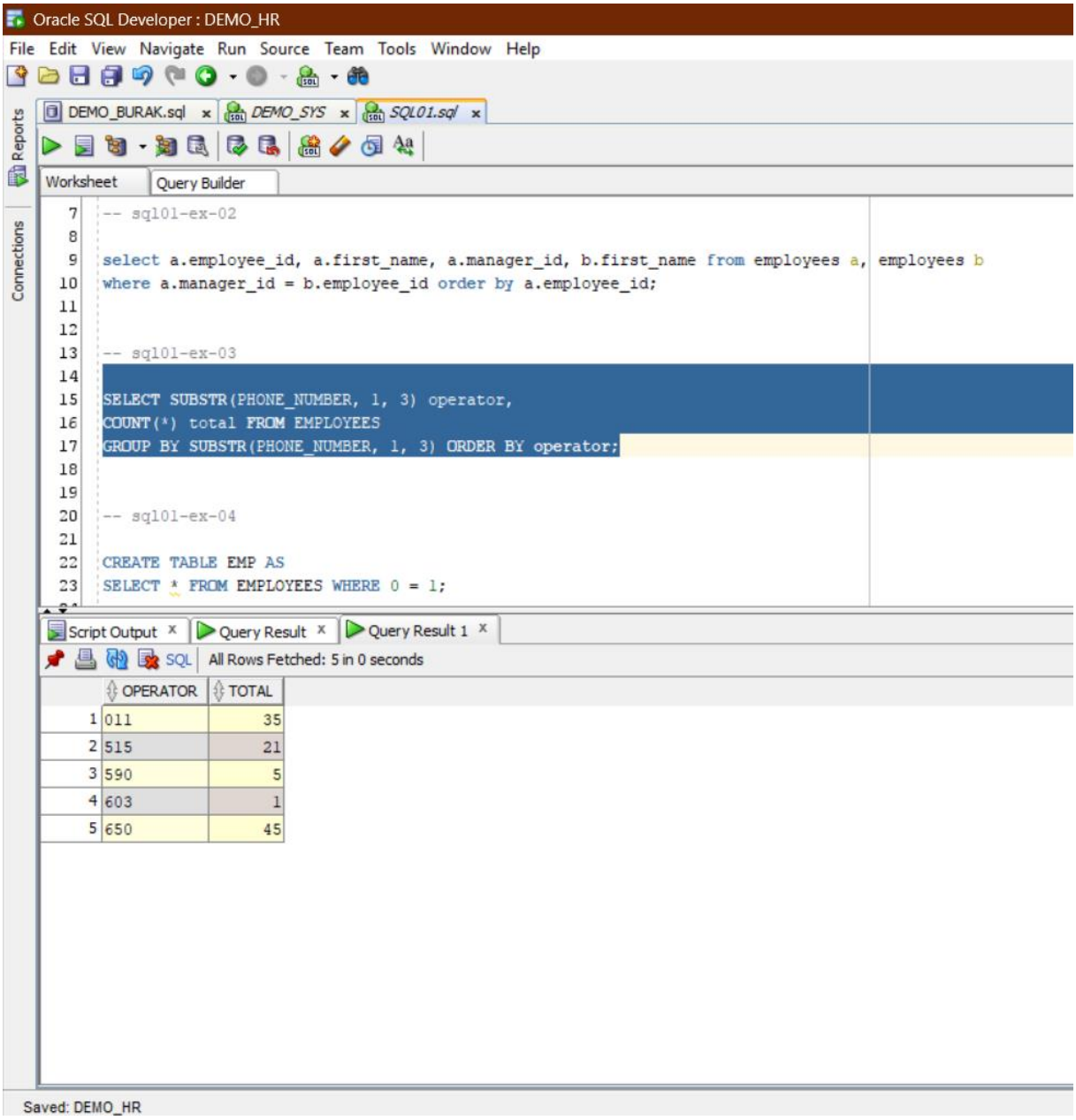

Oracle SQL Developer : DEMO_HR
File Edit View Navigate Run Source Team Tools Window Help
DEMO_BURAK.sql
DEMO_SYS
SQL01.sql
Worksheet
Query Builder
-- sql01-ex-01
select a.employee_id employee_id, a.first_name first_name, b.department_name from HR.employees a, HR.departments b
where a.department_id = b.department_id order by a.employee_id;
-- sql01-ex-02
select employee_id, manager_id from employees where manager_id IS not null order by employee_id ;
-- sql01-ex-03
SELECT SUBSTR(PHONE_NUMBER, 1, 3) operator,
COUNT(*) total FROM EMPLOYEES
GROUP BY SUBSTR(PHONE_NUMBER, 1, 3) ORDER BY operator;
Script Output
Query Result
Query Result 1
Fetched 50 rows in 0,004 seconds
EMPLOYEE_ID FIRST_NAME DEPARTMENT_NAME
100 Steven Executive
101 Neena Executive
102 Lex Executive
103 Alexander IT
104 Bruce IT
105 David IT
106 Valli IT
107 Diana IT
108 Nancy Finance
109 Daniel Finance
110 John Finance
111 Ismael Finance
112 Jose Manuel Finance
113 Luis Finance
Saved: DEMO_HR

sql01-ex-02



	EMPLOYEE_ID	FIRST_NAME	MANAGER_ID	FIRST_NAME_1
1	101	Neena	100	Steven
2	102	Lex	100	Steven
3	103	Alexander	102	Lex
4	104	Bruce	103	Alexander
5	105	David	103	Alexander
6	106	Valli	103	Alexander
7	107	Diana	103	Alexander
8	108	Nancy	101	Neena
9	109	Daniel	108	Nancy
10	110	John	108	Nancy
11	111	Ismael	108	Nancy
12	112	Jose Manuel	108	Nancy
13	113	Luis	108	Nancy
14	114	Den	100	Steven

sql01-ex-03


Oracle SQL Developer : DEMO_HR
File Edit View Navigate Run Source Team Tools Window Help
DEMO_BURAK.sql
DEMO_SYS
SQL01.sql
Worksheet
Query Builder
-- sql01-ex-02
select a.employee_id, a.first_name, a.manager_id, b.first_name from employees a, employees b
where a.manager_id = b.employee_id order by a.employee_id;
-- sql01-ex-03
SELECT SUBSTR(PHONE_NUMBER, 1, 3) operator,
COUNT(*) total FROM EMPLOYEES
GROUP BY SUBSTR(PHONE_NUMBER, 1, 3) ORDER BY operator;
-- sql01-ex-04
CREATE TABLE EMP AS
SELECT * FROM EMPLOYEES WHERE 0 = 1;
Script Output
Query Result
Query Result 1
All Rows Fetched: 5 in 0 seconds
OPERATOR TOTAL
1 011 35
2 515 21
3 590 5
4 603 1
5 650 45
Saved: DEMO_HR

sql01-ex-04

```sql
-- sql01-ex-04

CREATE TABLE EMP AS
SELECT * FROM EMPLOYEES WHERE 0 = 1;

INSERT INTO EMP (SELECT * FROM EMPLOYEES WHERE employee_id = 105);

UPDATE EMP set phone_number = '555', salary = 1000 where employee_id = 105;

delete from emp where employee_id = 105;
```

sql01-ex-05

```sql
-- sql01-ex-05

SELECT SUBSTR(first_name, 1, 2) || LPAD('*', LENGTH(first_name) - 2, '*') ||
' ' || SUBSTR(last_name, 1, 2) || LPAD('*', LENGTH(last_name) - 2, '*')
AS employee_name FROM employees;
```

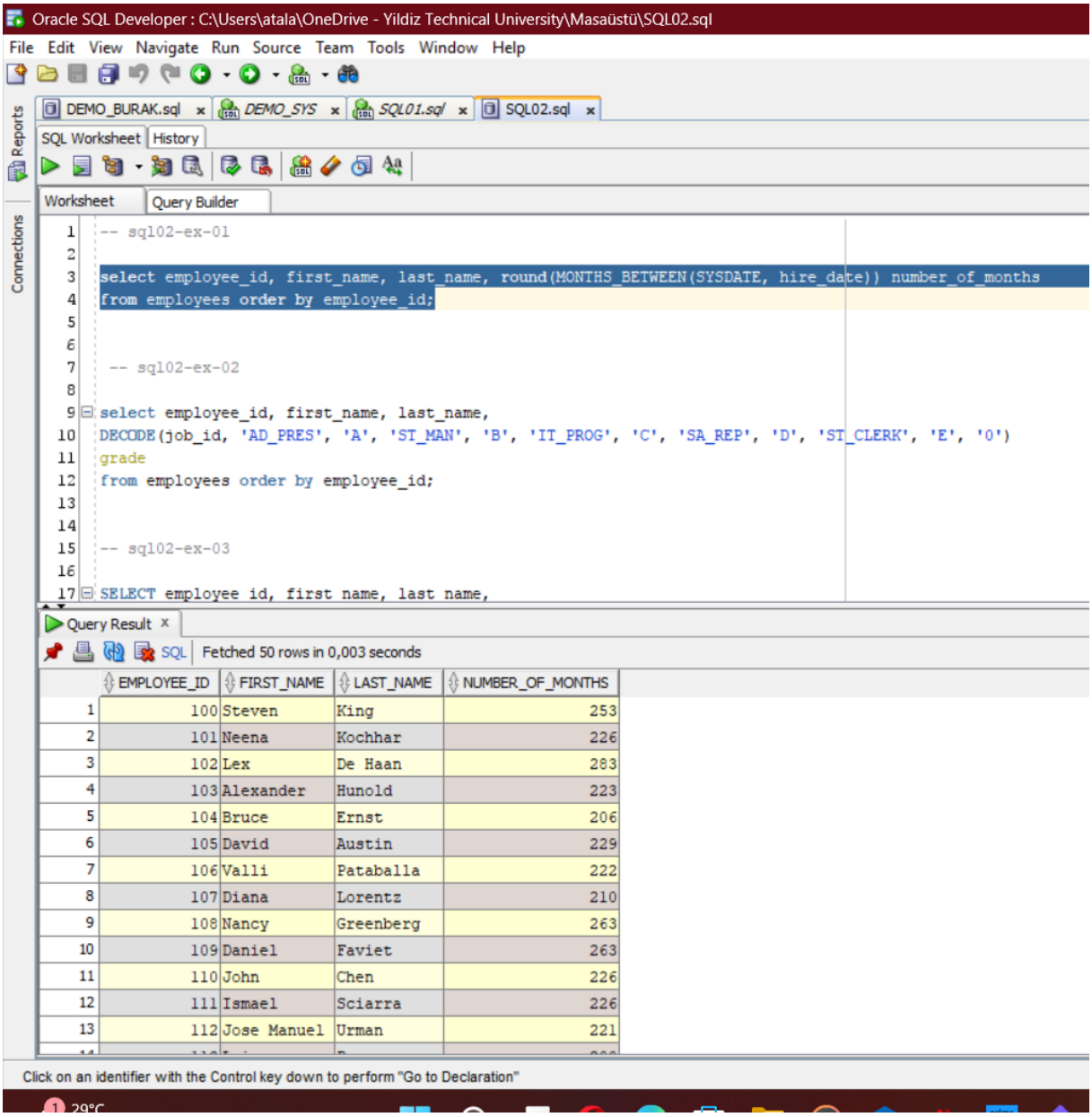
Script Output | Query Result | Query Result 1

Fetched 50 rows in 0 seconds

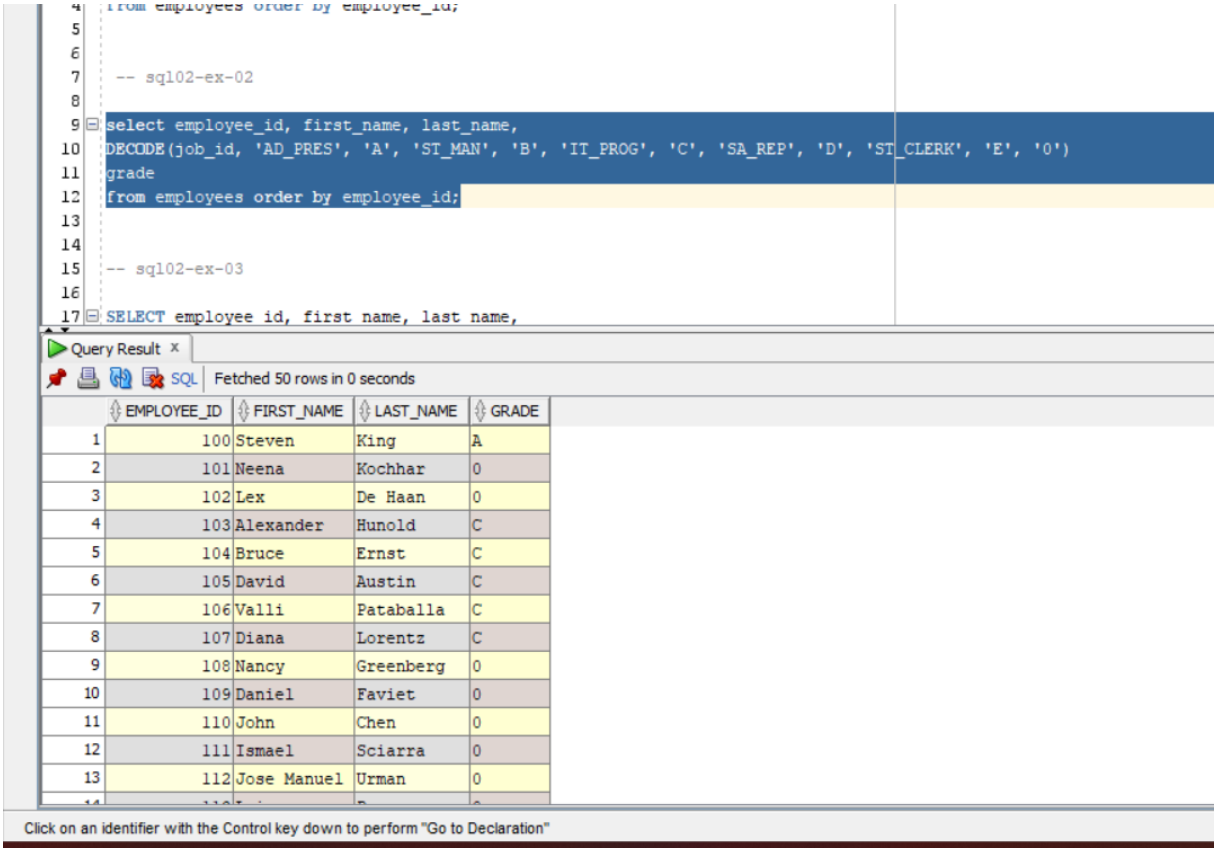
	EMPLOYEE_NAME
1	El*** Ab**
2	Su**** An**
3	Mo*** At******
4	Da*** Au****
5	He***** Ba**
6	Sh**** Ba***
7	Am** Ba***
8	El******* Ba***
9	Sa*** Be**
10	Da*** Be*******
11	La*** Bi****
12	Ha****** Bl***
13	Al**** Bu**
14	An***** Ca****

Click on an identifier with the Control key down to perform "Go to Declaration"

sql02-ex-01


Oracle SQL Developer : C:\Users\atala\OneDrive - Yildiz Technical University\Masaüstü\SQL02.sql
File Edit View Navigate Run Source Team Tools Window Help
DEMO_BURAK.sql
DEMO_SYS
SQL01.sql
SQL02.sql
SQL Worksheet
History
Worksheet
Query Builder
-- sql02-ex-01
select employee_id, first_name, last_name, round(MONTHS_BETWEEN(SYSDATE, hire_date)) number_of_months
from employees order by employee_id;
-- sql02-ex-02
select employee_id, first_name, last_name,
DECODE(job_id, 'AD_PRES', 'A', 'ST_MAN', 'B', 'IT_PROG', 'C', 'SA_REP', 'D', 'ST_CLERK', 'E', '0')
grade
from employees order by employee_id;
-- sql02-ex-03
SELECT employee id, first name, last name,
Query Result
Fetched 50 rows in 0,003 seconds
EMPLOYEE_ID FIRST_NAME LAST_NAME NUMBER_OF_MONTHS
1 100 Steven King 253
2 101 Neena Kochhar 226
3 102 Lex De Haan 283
4 103 Alexander Hunold 223
5 104 Bruce Ernst 206
6 105 David Austin 229
7 106 Valli Pataballa 222
8 107 Diana Lorentz 210
9 108 Nancy Greenberg 263
10 109 Daniel Faviet 263
11 110 John Chen 226
12 111 Ismael Sciarra 226
13 112 Jose Manuel Urman 221
Click on an identifier with the Control key down to perform "Go to Declaration"

sql02-ex-02



```
from employees order by employee_id;


 -- sql02-ex-02

select employee_id, first_name, last_name,
DECODE(job_id, 'AD_PRES', 'A', 'ST_MAN', 'B', 'IT_PROG', 'C', 'SA_REP', 'D', 'ST_CLERK', 'E', '0')
grade
from employees order by employee_id;


-- sql02-ex-03

SELECT employee id, first name, last name,
```

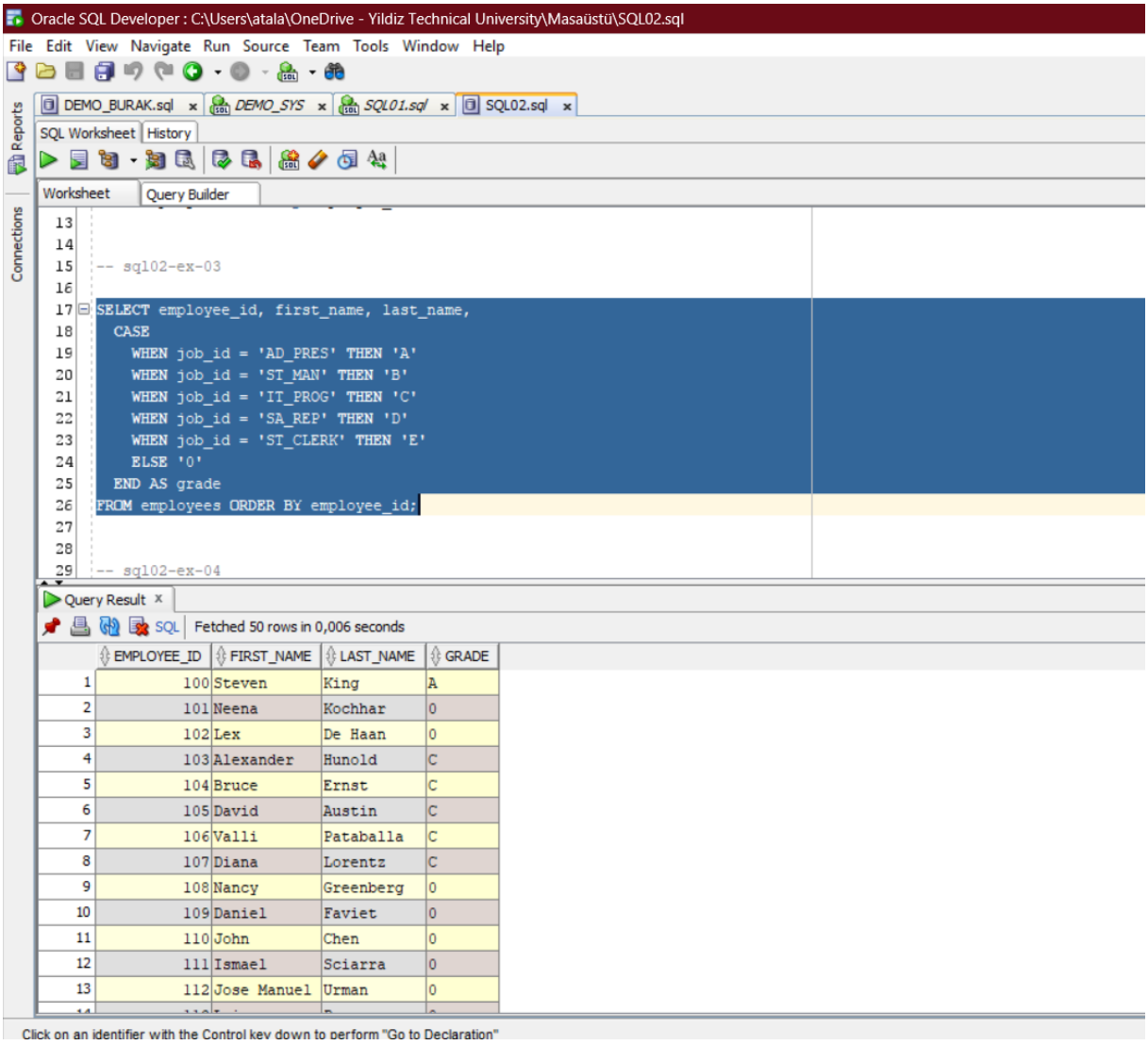
Query Result

SQL | Fetched 50 rows in 0 seconds

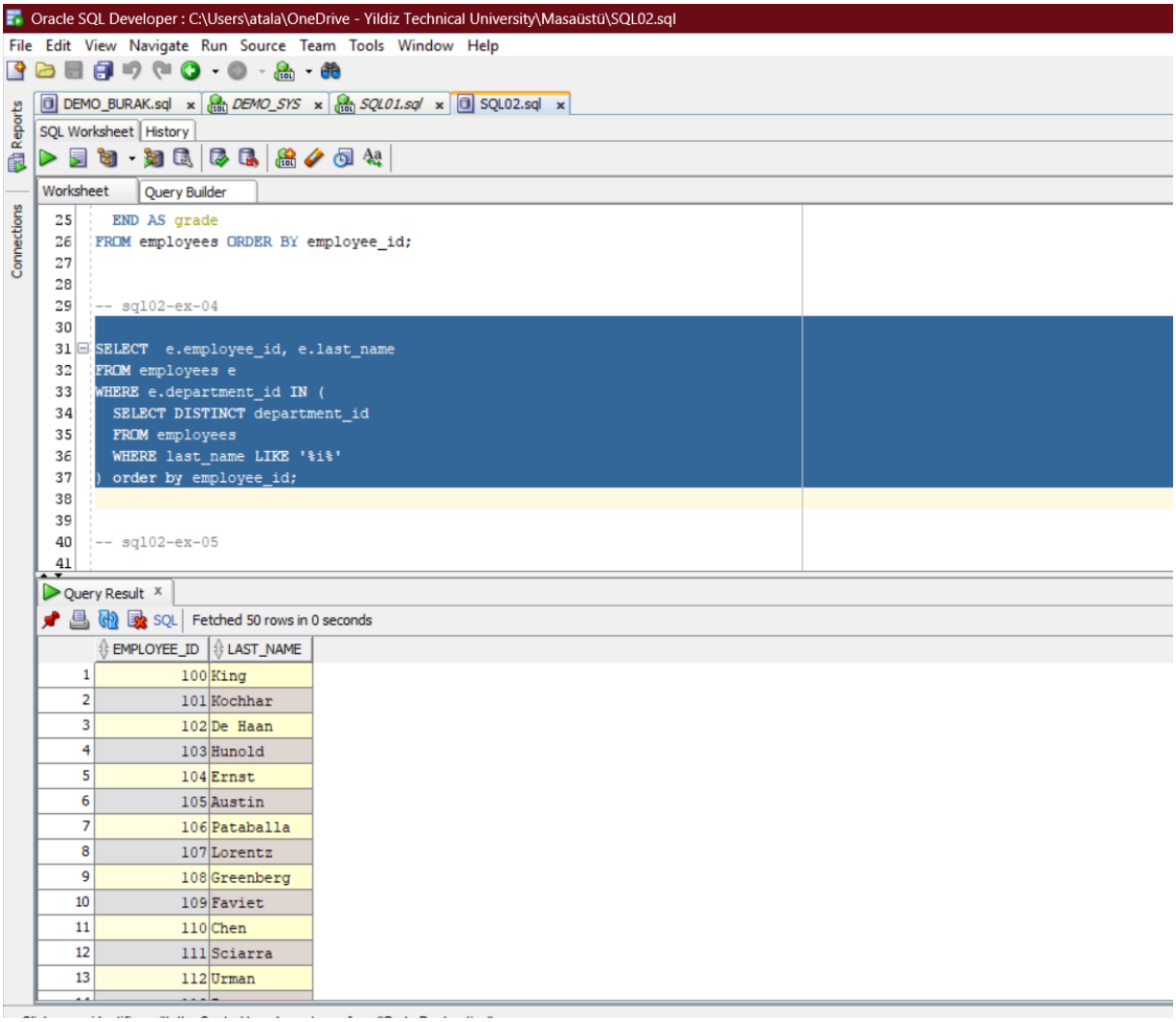
	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	GRADE
1	100	Steven	King	A
2	101	Neena	Kochhar	0
3	102	Lex	De Haan	0
4	103	Alexander	Hunold	C
5	104	Bruce	Ernst	C
6	105	David	Austin	C
7	106	Valli	Pataballa	C
8	107	Diana	Lorentz	C
9	108	Nancy	Greenberg	0
10	109	Daniel	Faviet	0
11	110	John	Chen	0
12	111	Ismael	Sciarra	0
13	112	Jose Manuel	Urman	0

Click on an identifier with the Control key down to perform "Go to Declaration"

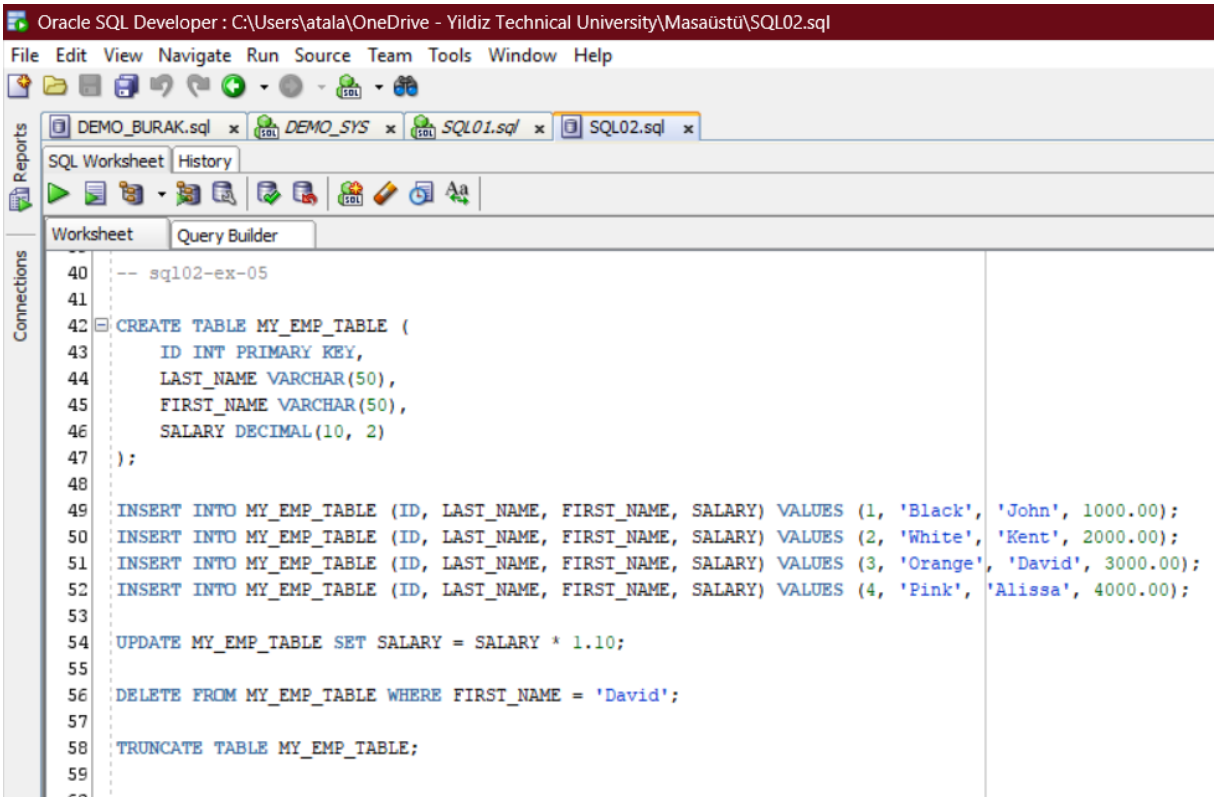
sql02-ex-03


Oracle SQL Developer : C:\Users\atala\OneDrive - Yildiz Technical University\Masaüstü\SQL02.sql
File Edit View Navigate Run Source Team Tools Window Help
DEMO_BURAK.sql
DEMO_SYS
SQL01.sql
SQL02.sql
SQL Worksheet
History
Worksheet
Query Builder
-- sql02-ex-03
SELECT employee_id, first_name, last_name,
CASE
WHEN job_id = 'AD_PRES' THEN 'A'
WHEN job_id = 'ST_MAN' THEN 'B'
WHEN job_id = 'IT_PROG' THEN 'C'
WHEN job_id = 'SA_REP' THEN 'D'
WHEN job_id = 'ST_CLERK' THEN 'E'
ELSE '0'
END AS grade
FROM employees ORDER BY employee_id;
-- sql02-ex-04
Query Result
Fetched 50 rows in 0,006 seconds
EMPLOYEE_ID FIRST_NAME LAST_NAME GRADE
100 Steven King A
101 Neena Kochhar 0
102 Lex De Haan 0
103 Alexander Hunold C
104 Bruce Ernst C
105 David Austin C
106 Valli Pataballa C
107 Diana Lorentz C
108 Nancy Greenberg 0
109 Daniel Faviet 0
110 John Chen 0
111 Ismael Sciarra 0
112 Jose Manuel Urman 0
Click on an identifier with the Control key down to perform "Go to Declaration"

sql02-ex-04


Oracle SQL Developer : C:\Users\atala\OneDrive - Yildiz Technical University\Masaüstü\SQL02.sql
File Edit View Navigate Run Source Team Tools Window Help
DEMO_BURAK.sql
DEMO_SYS
SQL01.sql
SQL02.sql
SQL Worksheet
History
Worksheet
Query Builder
END AS grade
FROM employees ORDER BY employee_id;
-- sql02-ex-04
SELECT e.employee_id, e.last_name
FROM employees e
WHERE e.department_id IN (
SELECT DISTINCT department_id
FROM employees
WHERE last_name LIKE '%i%'
) order by employee_id;
-- sql02-ex-05
Query Result
Fetched 50 rows in 0 seconds
EMPLOYEE_ID
LAST_NAME
100 King
101 Kochhar
102 De Haan
103 Hunold
104 Ernst
105 Austin
106 Pataballa
107 Lorentz
108 Greenberg
109 Faviet
110 Chen
111 Sciarra
112 Urman

sql02-ex-05


Oracle SQL Developer : C:\Users\atala\OneDrive - Yildiz Technical University\Masaüstü\SQL02.sql
File Edit View Navigate Run Source Team Tools Window Help
DEMO_BURAK.sql
DEMO_SYS
SQL01.sql
SQL02.sql
SQL Worksheet
History
Worksheet
Query Builder
Reports
Connections
40 -- sql02-ex-05
41
42 CREATE TABLE MY_EMP_TABLE (
43 ID INT PRIMARY KEY,
44 LAST_NAME VARCHAR(50),
45 FIRST_NAME VARCHAR(50),
46 SALARY DECIMAL(10, 2)
47);
48
49 INSERT INTO MY_EMP_TABLE (ID, LAST_NAME, FIRST_NAME, SALARY) VALUES (1, 'Black', 'John', 1000.00);
50 INSERT INTO MY_EMP_TABLE (ID, LAST_NAME, FIRST_NAME, SALARY) VALUES (2, 'White', 'Kent', 2000.00);
51 INSERT INTO MY_EMP_TABLE (ID, LAST_NAME, FIRST_NAME, SALARY) VALUES (3, 'Orange', 'David', 3000.00);
52 INSERT INTO MY_EMP_TABLE (ID, LAST_NAME, FIRST_NAME, SALARY) VALUES (4, 'Pink', 'Alissa', 4000.00);
53
54 UPDATE MY_EMP_TABLE SET SALARY = SALARY * 1.10;
55
56 DELETE FROM MY_EMP_TABLE WHERE FIRST_NAME = 'David';
57
58 TRUNCATE TABLE MY_EMP_TABLE;
59