Project3 Report

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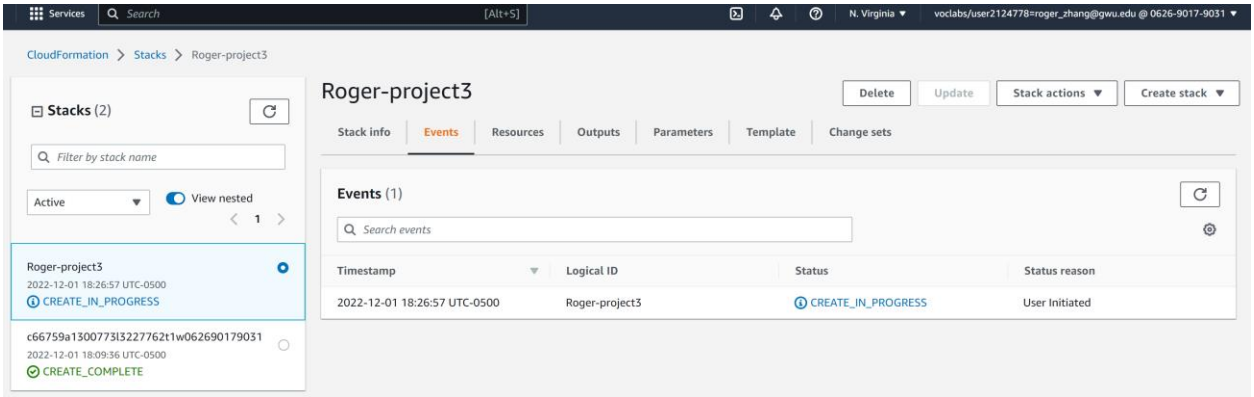
Figure 1

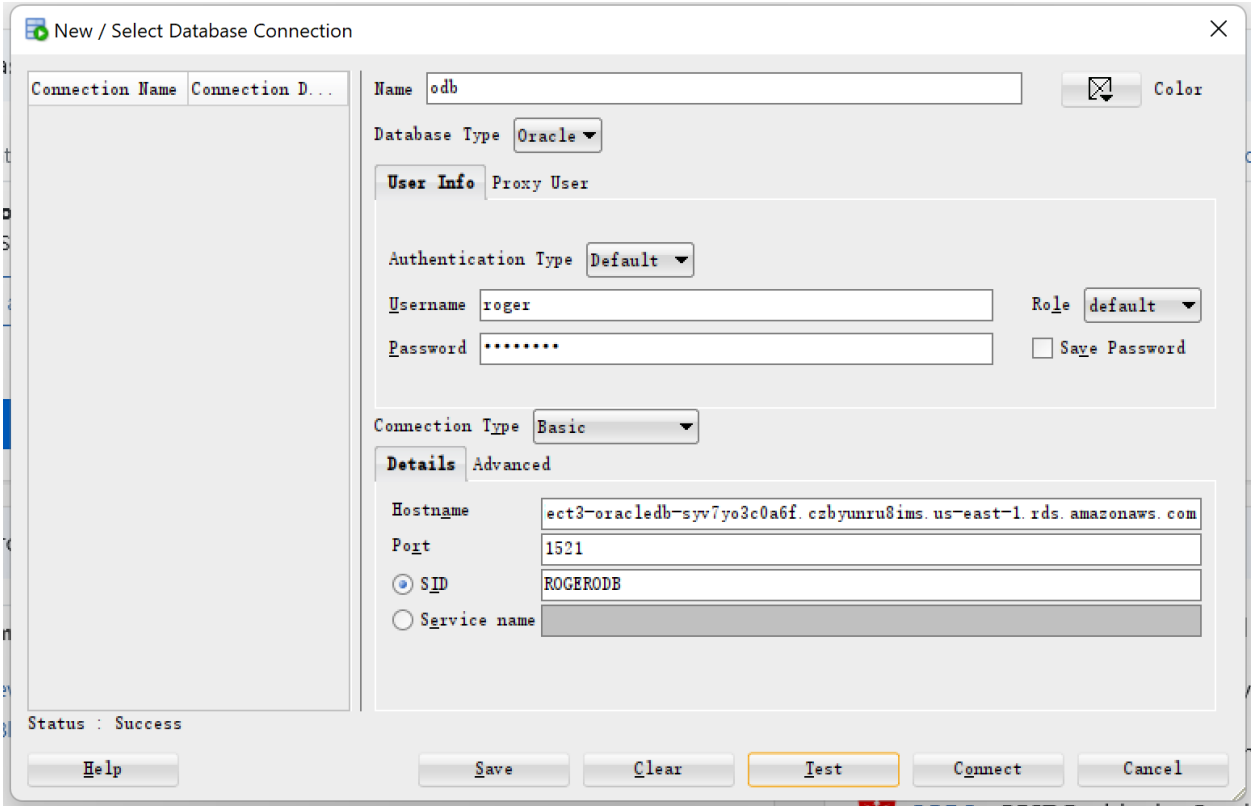
Executing yaml file to create the required stacks. Filled with my initials -> roger-project3 there are blanks that requires filling in the begining.



Note: Run several file create, policy operation and finished the creating process. You can see the stack's name is roger-project3 by me.

Figure2

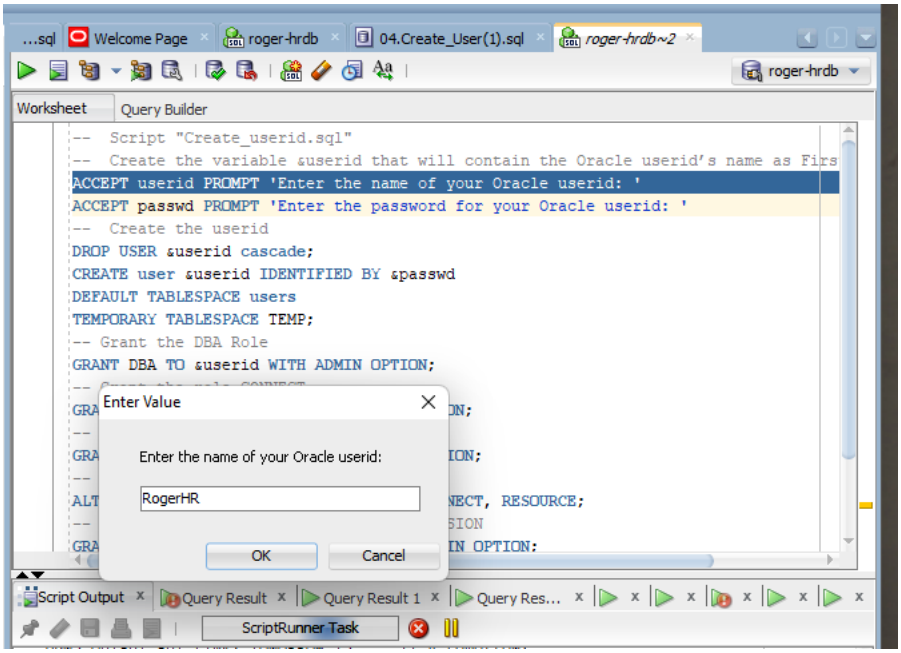
Connecting to oracle sql database using the sql developer as is suggested in the project3 task.



Note: this is the connection panel of sql developer. As all information need are inserted and you can see the test Status: Success in the left bottom. Indicating that I will be able to connect to this db at anytime.

Figure3

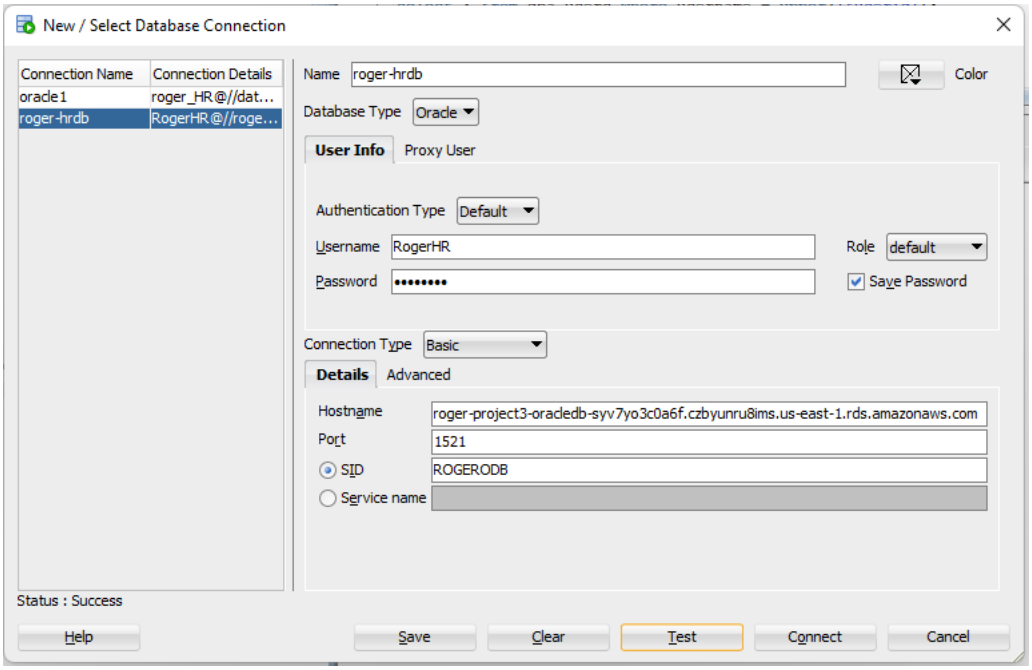
Connecting to oracle sql database using the sql developer and create user



Note: this screenshot shows that I'm creating the RogerHR user using the create user sql

Figure4

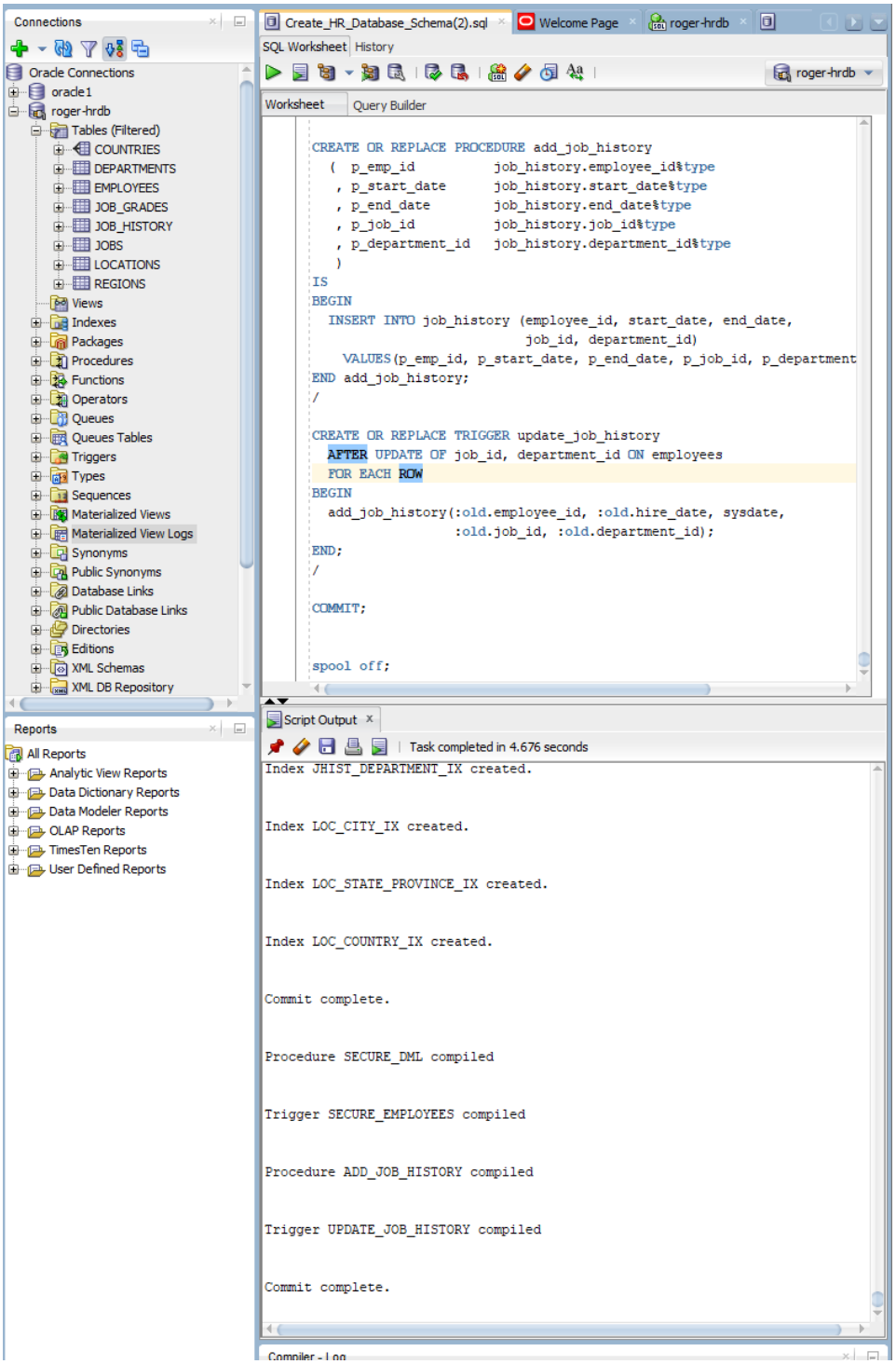
Connecting to oracle sql database using the sql developer with new user



Note: this screenshot shows that I'm reconnecting to db using the RogerHR user that just created

Figure5

Connecting to oracle sql database and run create_hr_database_schema.sql

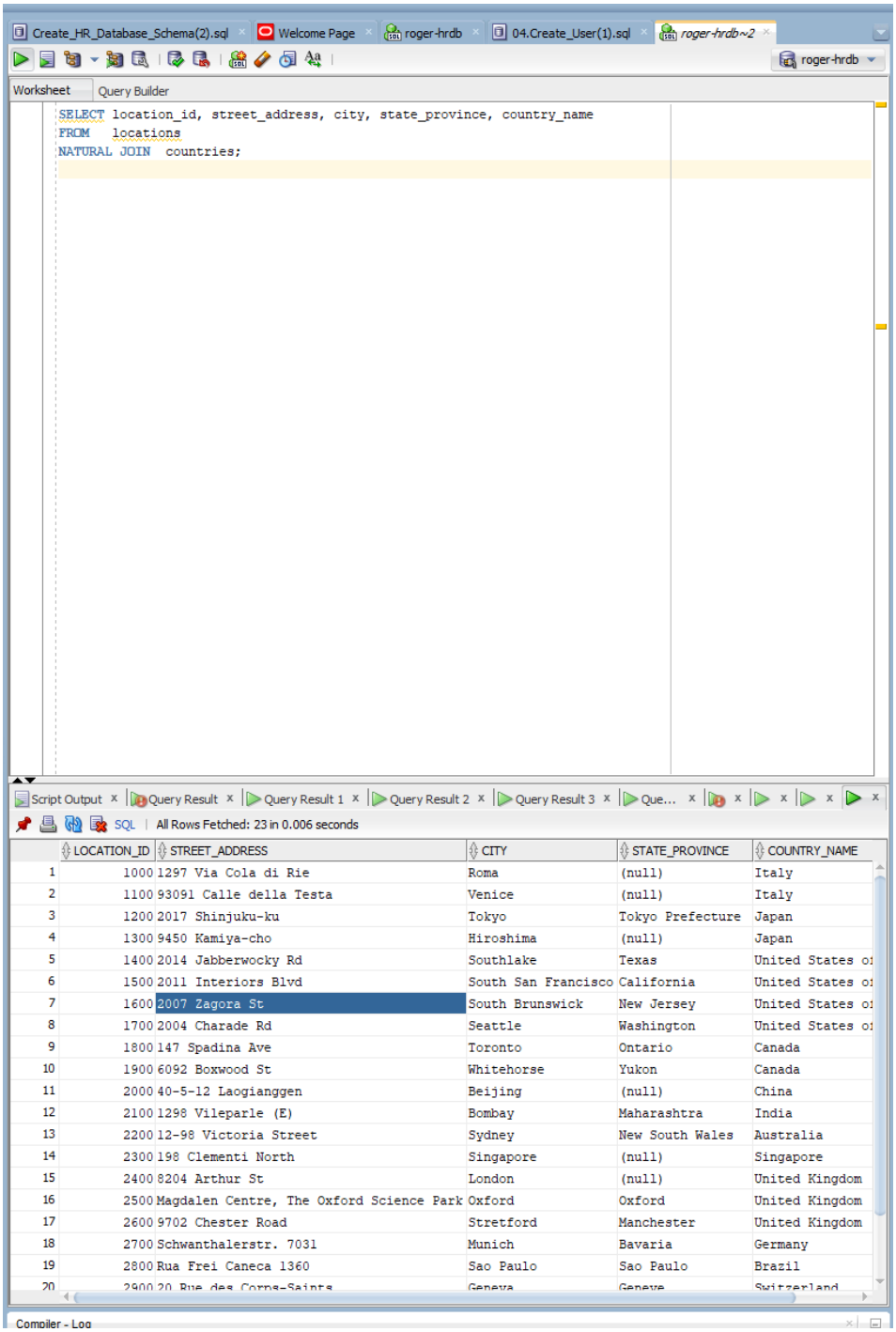


Note: this screenshot shows that I've done creating the tables that need for the project.

Oracle Practice 7

Figure6

The SQL Developer output of oracle sql practice 7-1

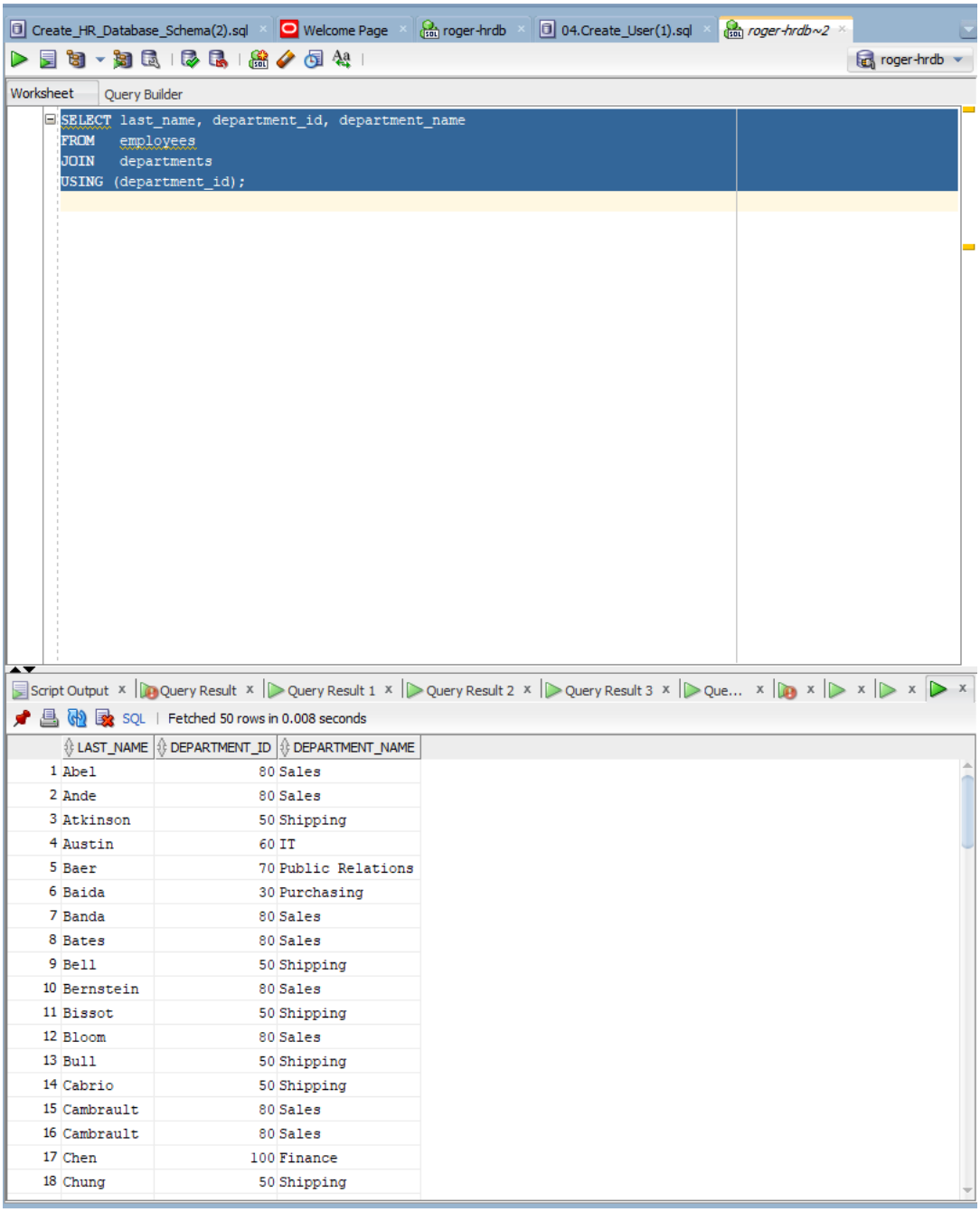


	LOCATION_ID	STREET_ADDRESS	CITY	STATE_PROVINCE	COUNTRY_NAME
1	1000	1297 Via Cola di Rie	Roma	(null)	Italy
2	1100	93091 Calle della Testa	Venice	(null)	Italy
3	1200	2017 Shinjuku-ku	Tokyo	Tokyo Prefecture	Japan
4	1300	9450 Kamiya-cho	Hiroshima	(null)	Japan
5	1400	2014 Jabberwocky Rd	Southlake	Texas	United States of
6	1500	2011 Interiors Blvd	South San Francisco	California	United States of
7	1600	2007 Zagora St	South Brunswick	New Jersey	United States of
8	1700	2004 Charade Rd	Seattle	Washington	United States of
9	1800	147 Spadina Ave	Toronto	Ontario	Canada
10	1900	6092 Boxwood St	Whitehorse	Yukon	Canada
11	2000	40-5-12 Laogianggen	Beijing	(null)	China
12	2100	1298 Vileparle (E)	Bombay	Maharashtra	India
13	2200	12-98 Victoria Street	Sydney	New South Wales	Australia
14	2300	198 Clementi North	Singapore	(null)	Singapore
15	2400	8204 Arthur St	London	(null)	United Kingdom
16	2500	Magdalen Centre, The Oxford Science Park	Oxford	Oxford	United Kingdom
17	2600	9702 Chester Road	Stretford	Manchester	United Kingdom
18	2700	Schwanthalerstr. 7031	Munich	Bavaria	Germany
19	2800	Rua Frei Caneca 1360	Sao Paulo	Sao Paulo	Brazil
20	2900	20 Rue des Corps-Saints	Geneva	Geneve	Switzerland

Note: this screenshot shows that I've output all fields required for the practice by using join countries

Figure7

The SQL Developer output of oracle sql practice 7-2

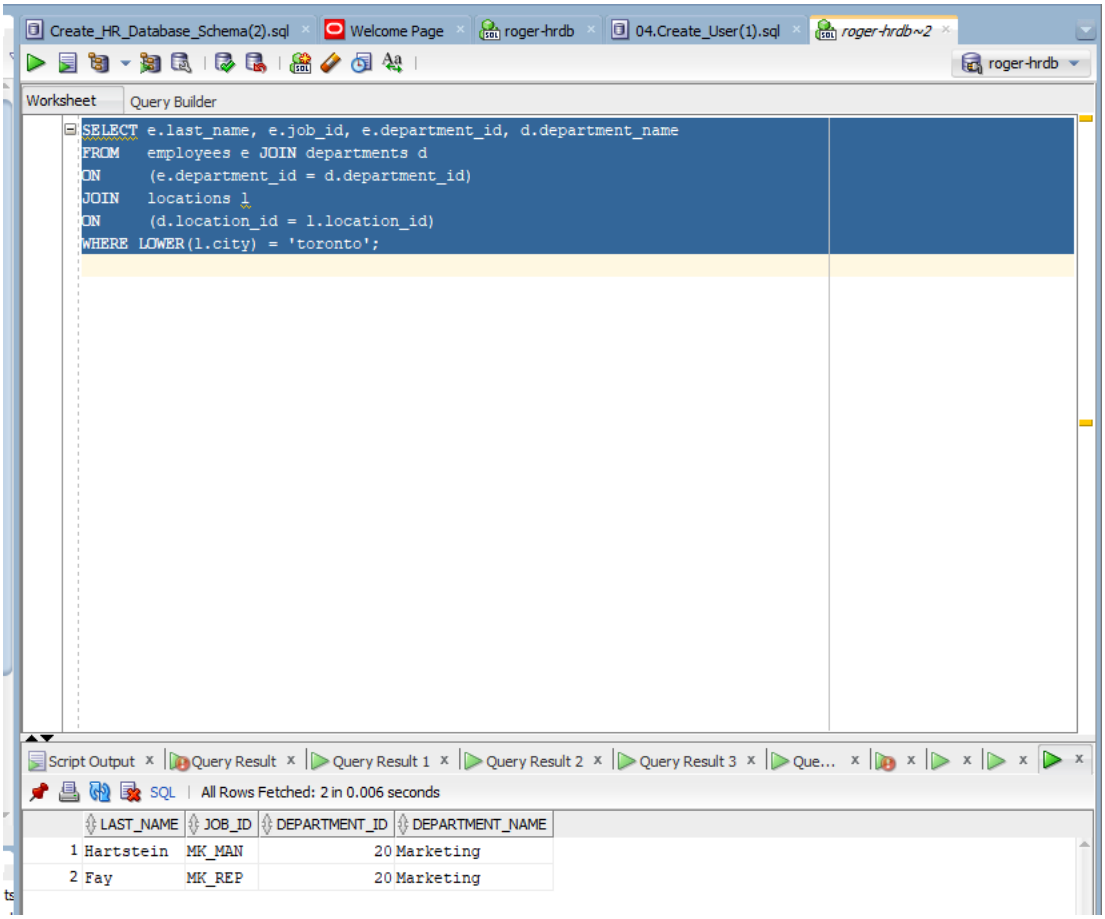


	LAST_NAME	DEPARTMENT_ID	DEPARTMENT_NAME
1	Abel	80	Sales
2	Ande	80	Sales
3	Atkinson	50	Shipping
4	Austin	60	IT
5	Baer	70	Public Relations
6	Baida	30	Purchasing
7	Banda	80	Sales
8	Bates	80	Sales
9	Bell	50	Shipping
10	Bernstein	80	Sales
11	Bissot	50	Shipping
12	Bloom	80	Sales
13	Bull	50	Shipping
14	Cabrio	50	Shipping
15	Cambrault	80	Sales
16	Cambrault	80	Sales
17	Chen	100	Finance
18	Chung	50	Shipping

Note: this screenshot shows that I've output all fields required for the practice by using join departments

Figure8

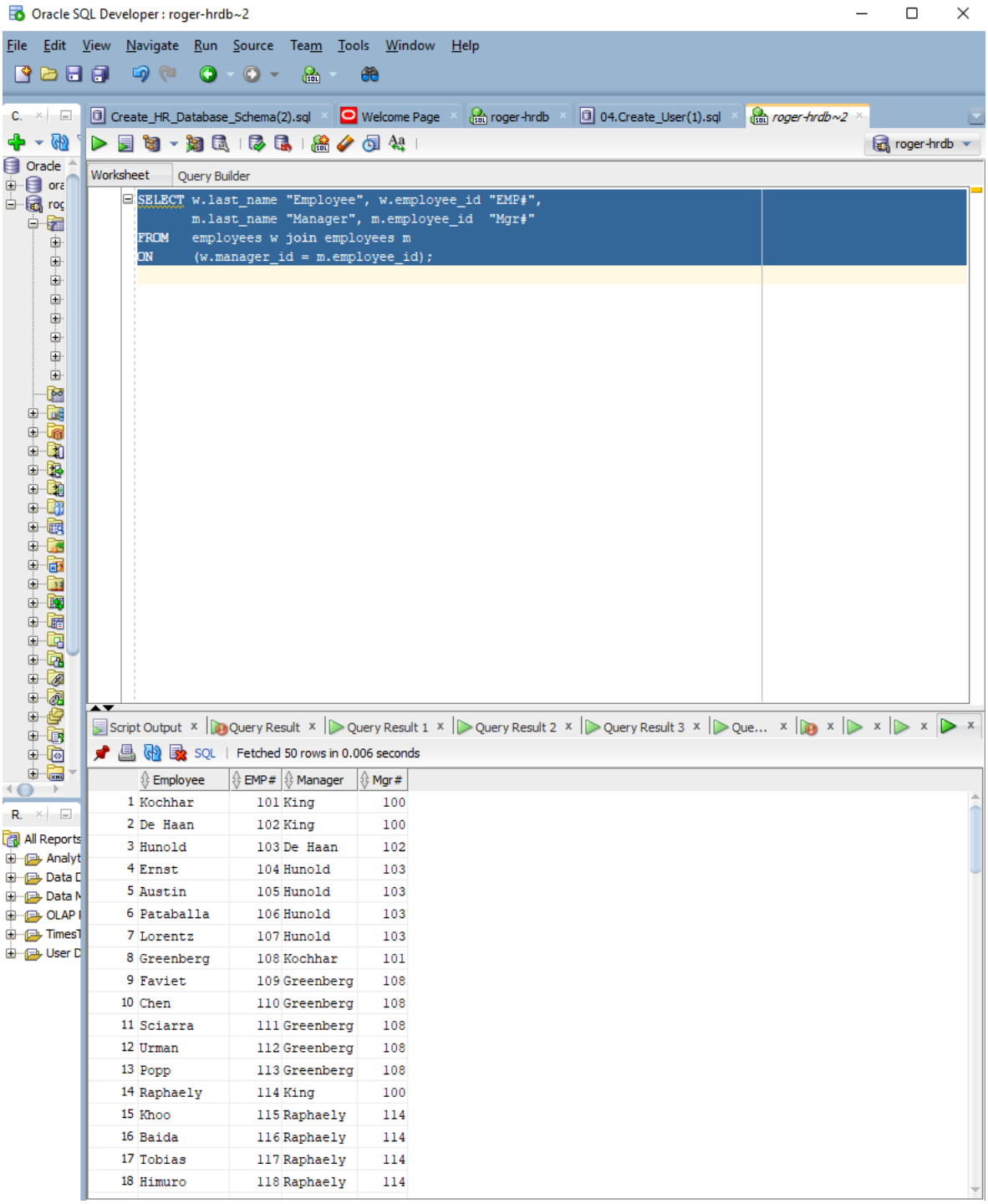
The SQL Developer output of oracle sql practice 7-3



Note: this screenshot shows that I've output all fields required for the practice by using join location

Figure9

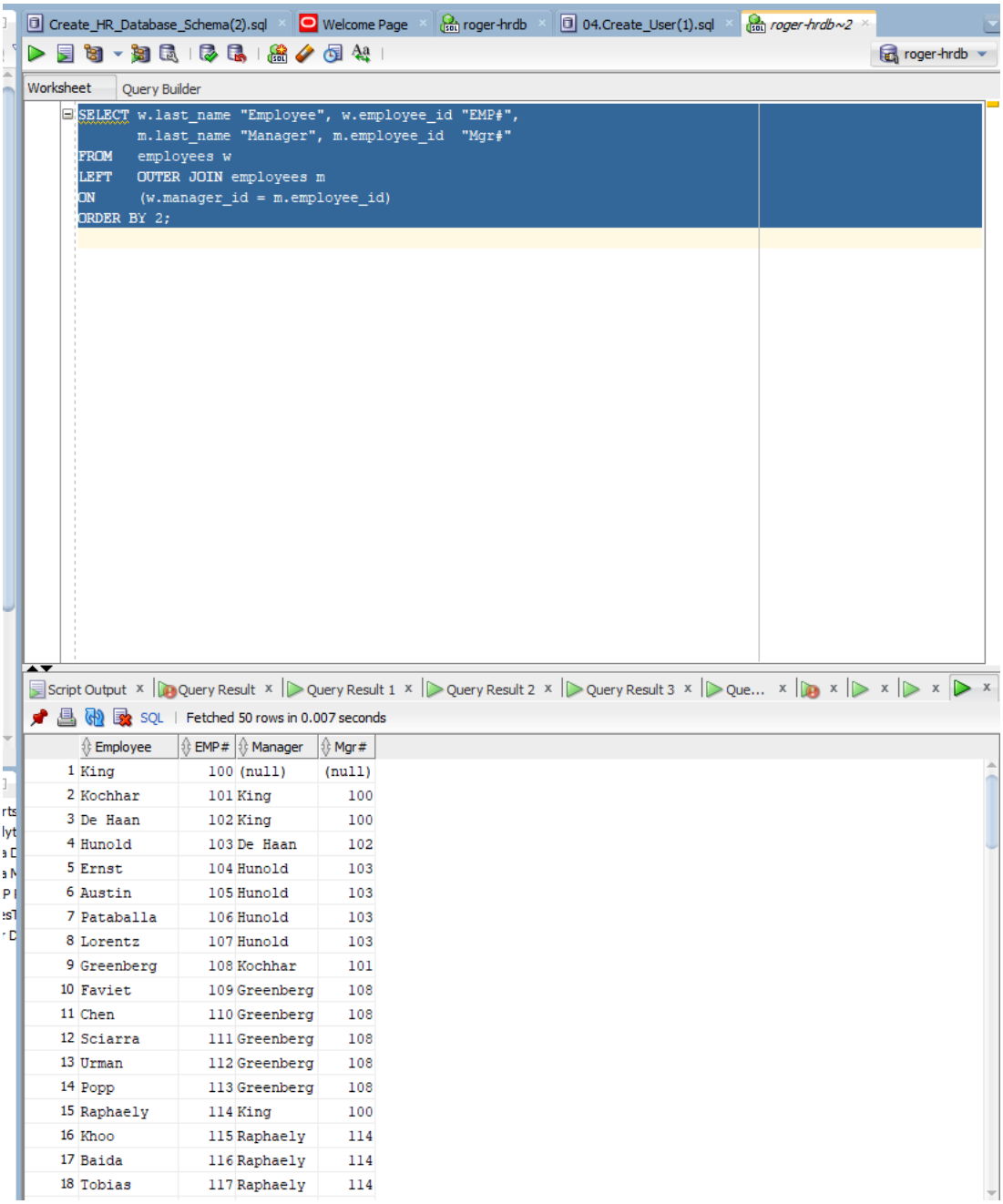
The SQL Developer output of oracle sql practice 7-4



Note: this screenshot shows that I've output all fields required for the practice by using self join

Figure10

The SQL Developer output of oracle sql practice 7-5

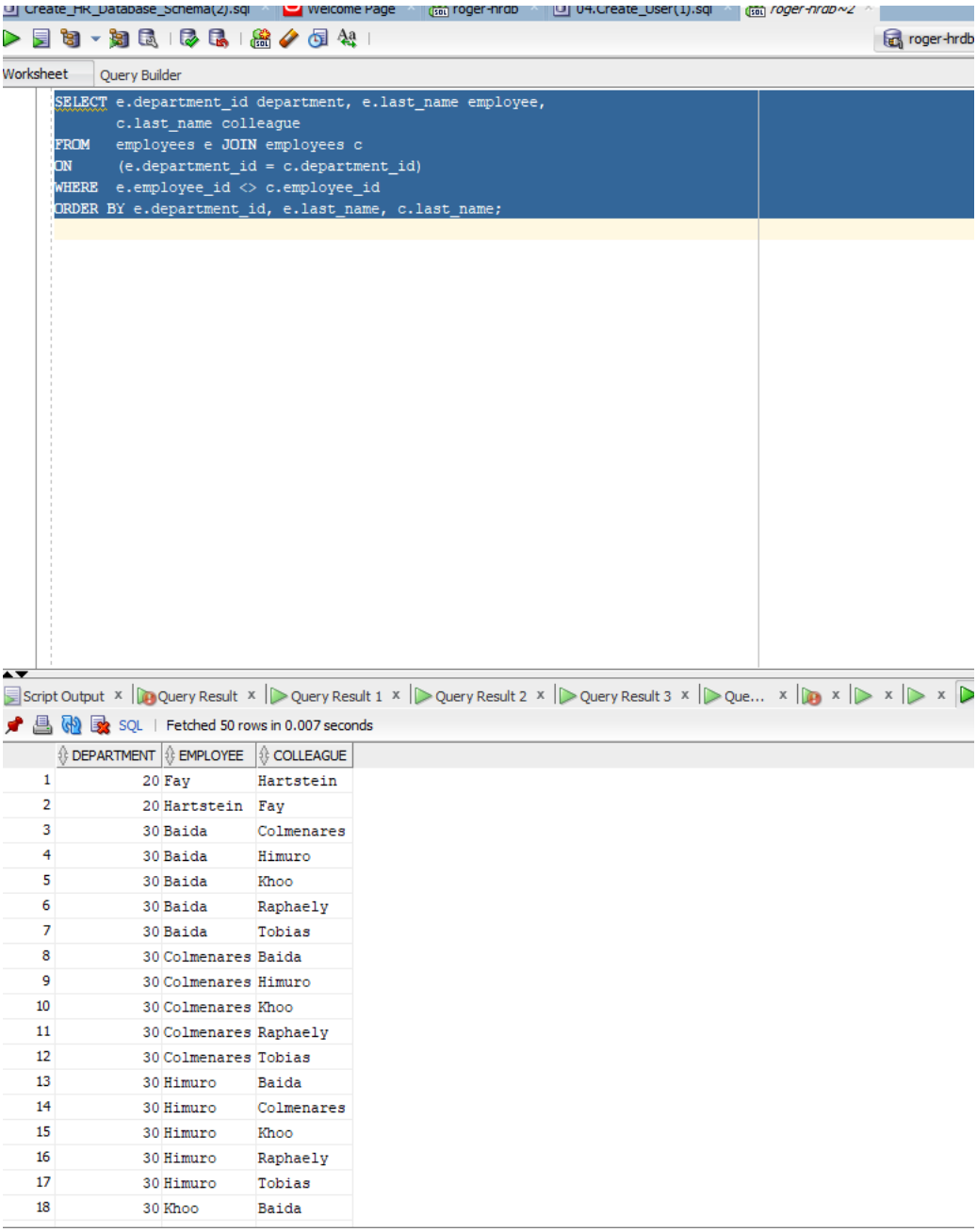


	Employee	EMP#	Manager	Mgr#
1	King	100	(null)	(null)
2	Kochhar	101	King	100
3	De Haan	102	King	100
4	Hunold	103	De Haan	102
5	Ernst	104	Hunold	103
6	Austin	105	Hunold	103
7	Pataballa	106	Hunold	103
8	Lorentz	107	Hunold	103
9	Greenberg	108	Kochhar	101
10	Faviet	109	Greenberg	108
11	Chen	110	Greenberg	108
12	Sciarra	111	Greenberg	108
13	Urman	112	Greenberg	108
14	Popp	113	Greenberg	108
15	Raphaely	114	King	100
16	Khoo	115	Raphaely	114
17	Baida	116	Raphaely	114
18	Tobias	117	Raphaely	114

Note: this screenshot shows that I've output all fields required for the practice by using self join and order by second column

Figure11

The SQL Developer output of oracle sql practice 7-6

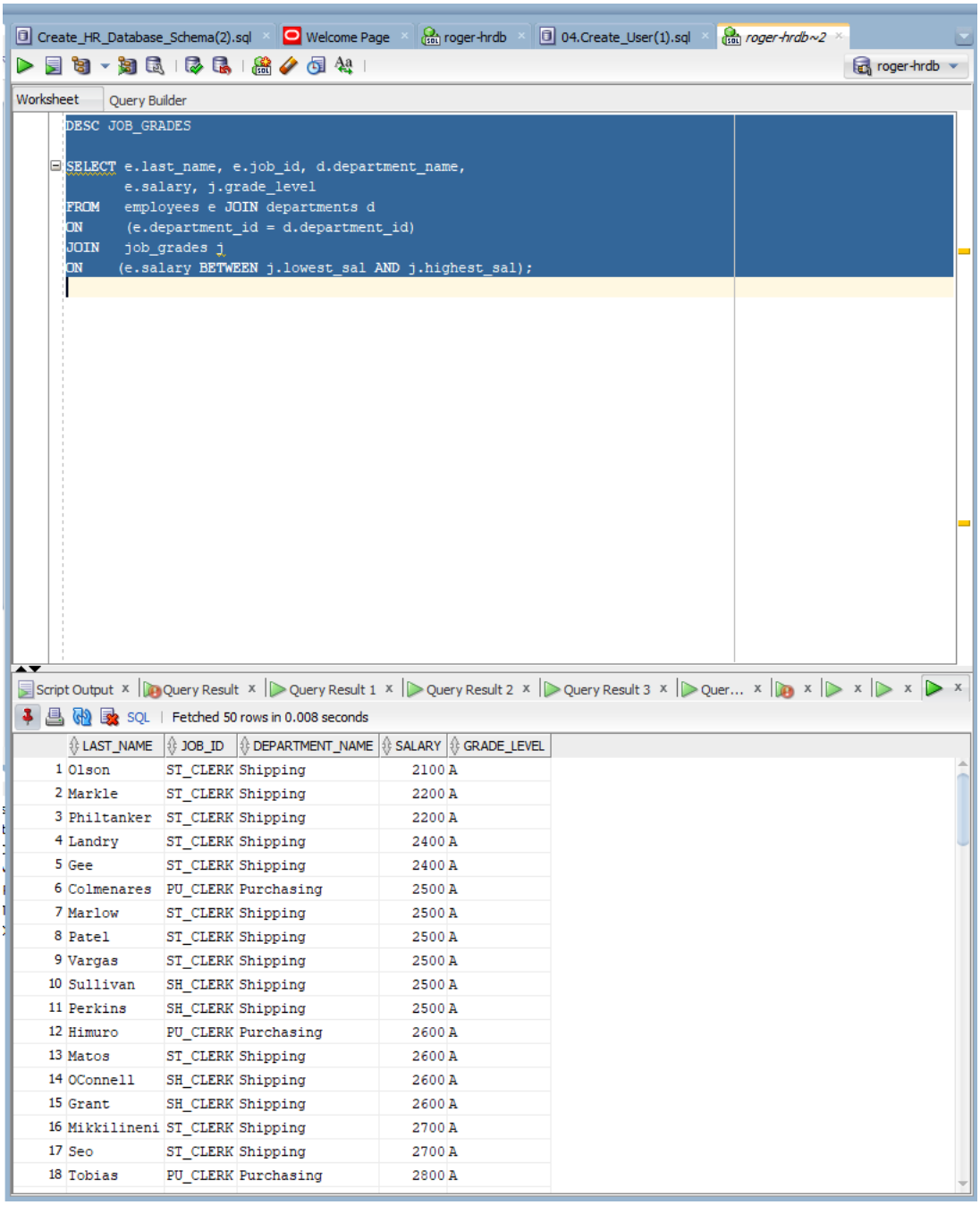


	DEPARTMENT	EMPLOYEE	COLLEAGUE
1	20	Fay	Hartstein
2	20	Hartstein	Fay
3	30	Baida	Colmenares
4	30	Baida	Himuro
5	30	Baida	Khoo
6	30	Baida	Raphaely
7	30	Baida	Tobias
8	30	Colmenares	Baida
9	30	Colmenares	Himuro
10	30	Colmenares	Khoo
11	30	Colmenares	Raphaely
12	30	Colmenares	Tobias
13	30	Himuro	Baida
14	30	Himuro	Colmenares
15	30	Himuro	Khoo
16	30	Himuro	Raphaely
17	30	Himuro	Tobias
18	30	Khoo	Baida

Note: this screenshot shows that I've output all fields required for the practice by using self join and order by e.department_id, e.last_name, c.last_name

Figure12

The SQL Developer output of oracle sql practice 7-7

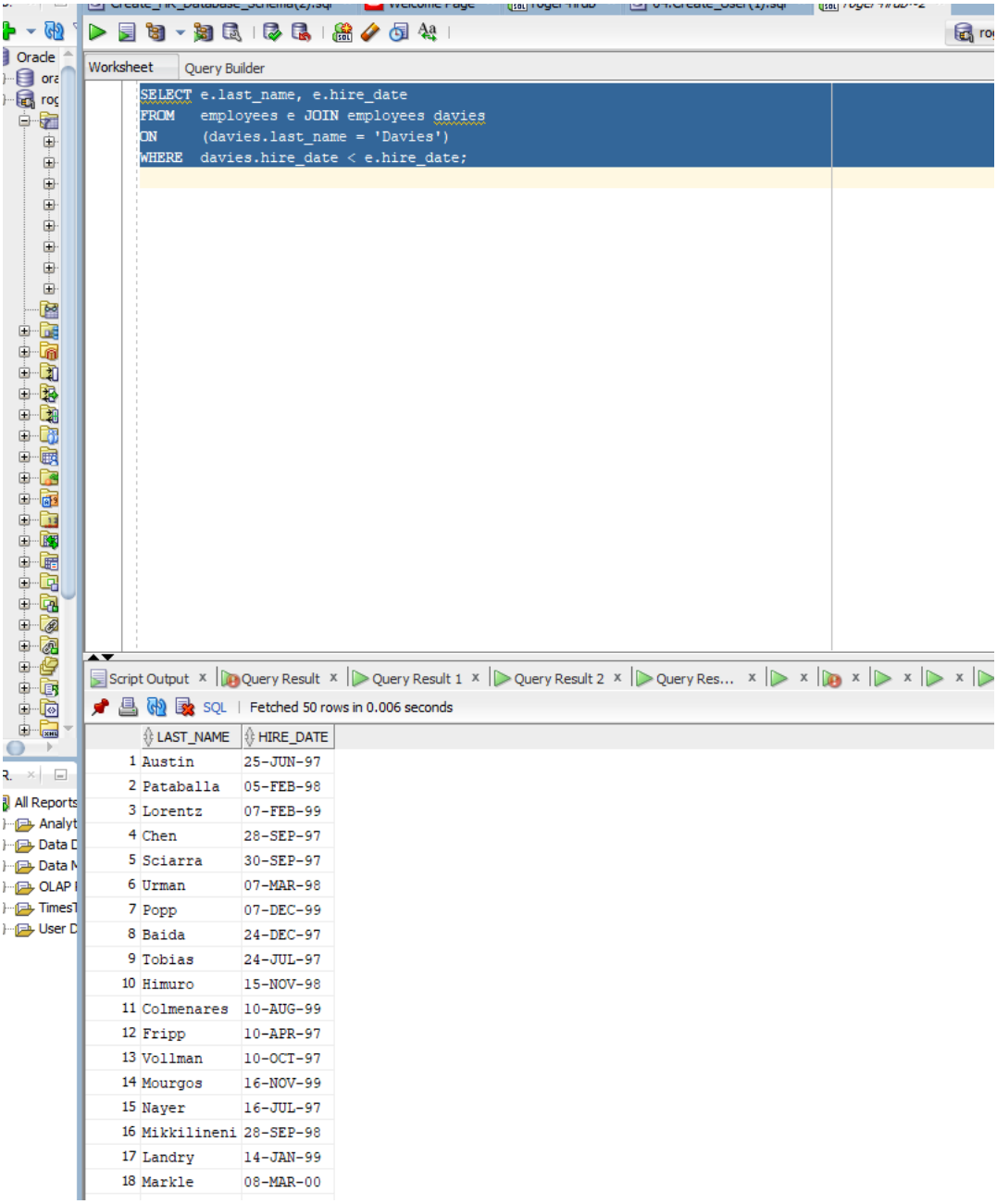


	LAST_NAME	JOB_ID	DEPARTMENT_NAME	SALARY	GRADE_LEVEL
1	Olson	ST_CLERK	Shipping	2100	A
2	Markle	ST_CLERK	Shipping	2200	A
3	Philtanker	ST_CLERK	Shipping	2200	A
4	Landry	ST_CLERK	Shipping	2400	A
5	Gee	ST_CLERK	Shipping	2400	A
6	Colmenares	PU_CLERK	Purchasing	2500	A
7	Marlow	ST_CLERK	Shipping	2500	A
8	Patel	ST_CLERK	Shipping	2500	A
9	Vargas	ST_CLERK	Shipping	2500	A
10	Sullivan	SH_CLERK	Shipping	2500	A
11	Perkins	SH_CLERK	Shipping	2500	A
12	Himuro	PU_CLERK	Purchasing	2600	A
13	Matos	ST_CLERK	Shipping	2600	A
14	OConnell	SH_CLERK	Shipping	2600	A
15	Grant	SH_CLERK	Shipping	2600	A
16	Mikkilineni	ST_CLERK	Shipping	2700	A
17	Seo	ST_CLERK	Shipping	2700	A
18	Tobias	PU_CLERK	Purchasing	2800	A

Note: this screenshot shows that I've output all fields required for the practice by filtering salary in between

Figure13

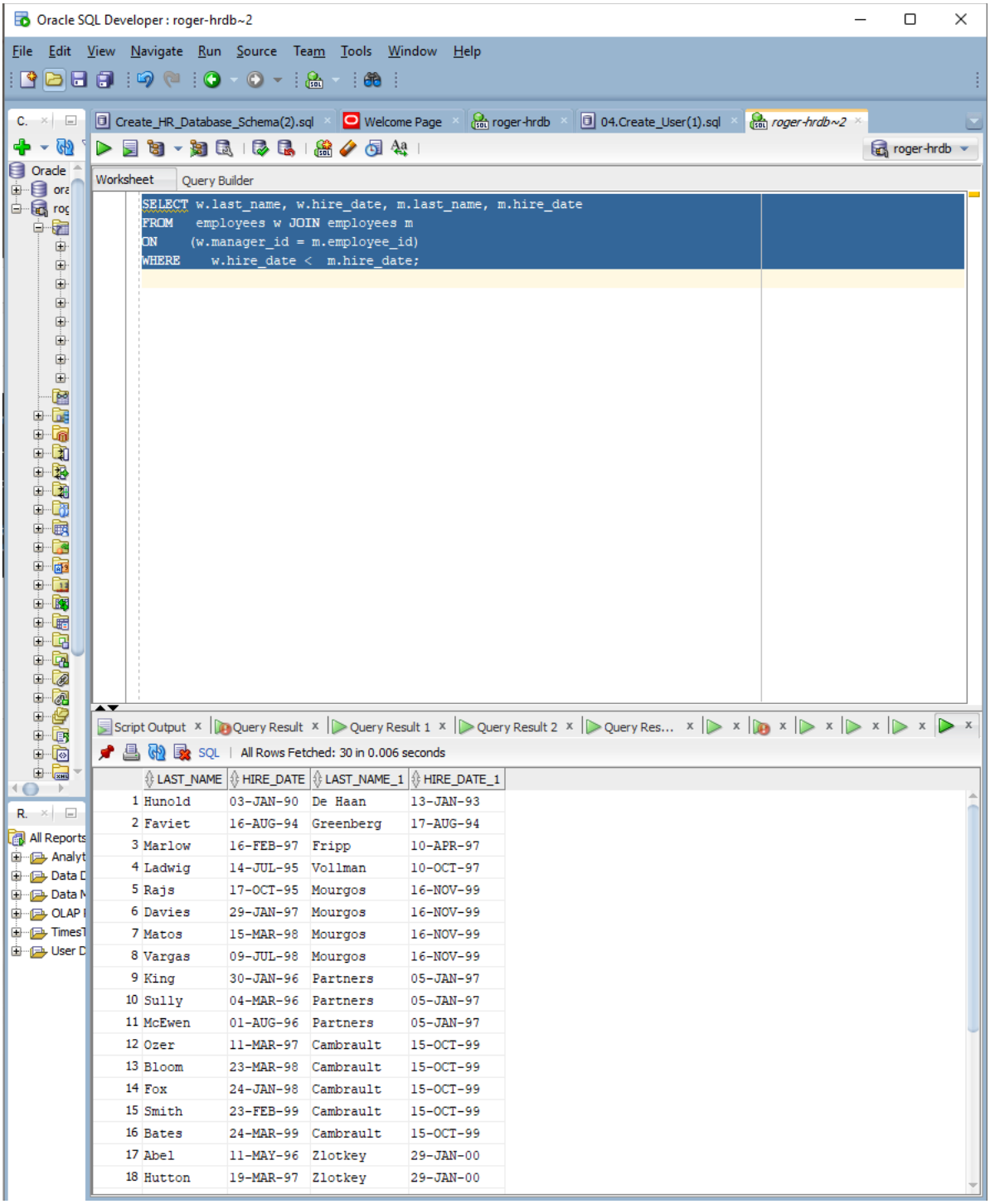
The SQL Developer output of oracle sql practice 7-8



Note: this screenshot shows that I've output all fields required for the practice by filtering hire_data

Figure14

The SQL Developer output of oracle sql practice 7-9



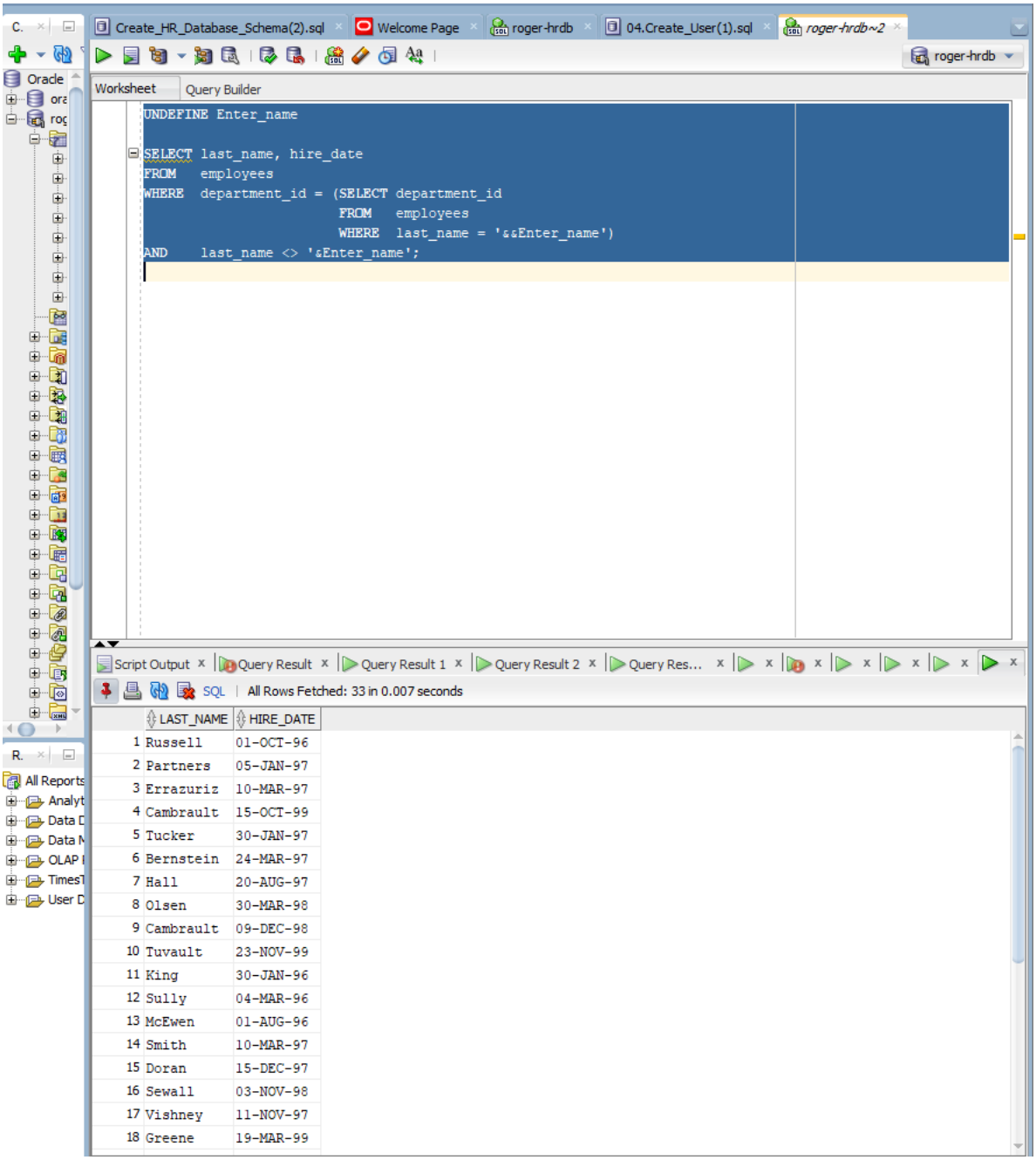
	LAST_NAME	HIRE_DATE	LAST_NAME_1	HIRE_DATE_1
1	Hunold	03-JAN-90	De Haan	13-JAN-93
2	Faviet	16-AUG-94	Greenberg	17-AUG-94
3	Marlow	16-FEB-97	Fripp	10-APR-97
4	Ladwig	14-JUL-95	Vollman	10-OCT-97
5	Rajs	17-OCT-95	Mourgos	16-NOV-99
6	Davies	29-JAN-97	Mourgos	16-NOV-99
7	Matos	15-MAR-98	Mourgos	16-NOV-99
8	Vargas	09-JUL-98	Mourgos	16-NOV-99
9	King	30-JAN-96	Partners	05-JAN-97
10	Sully	04-MAR-96	Partners	05-JAN-97
11	McEwen	01-AUG-96	Partners	05-JAN-97
12	Ozer	11-MAR-97	Cambrault	15-OCT-99
13	Bloom	23-MAR-98	Cambrault	15-OCT-99
14	Fox	24-JAN-98	Cambrault	15-OCT-99
15	Smith	23-FEB-99	Cambrault	15-OCT-99
16	Bates	24-MAR-99	Cambrault	15-OCT-99
17	Abel	11-MAY-96	Zlotkey	29-JAN-00
18	Hutton	19-MAR-97	Zlotkey	29-JAN-00

Note: this screenshot shows that I've output all fields required for the practice by filtering employees that are hired before their manager.

Oracle Practice 8

Figure15

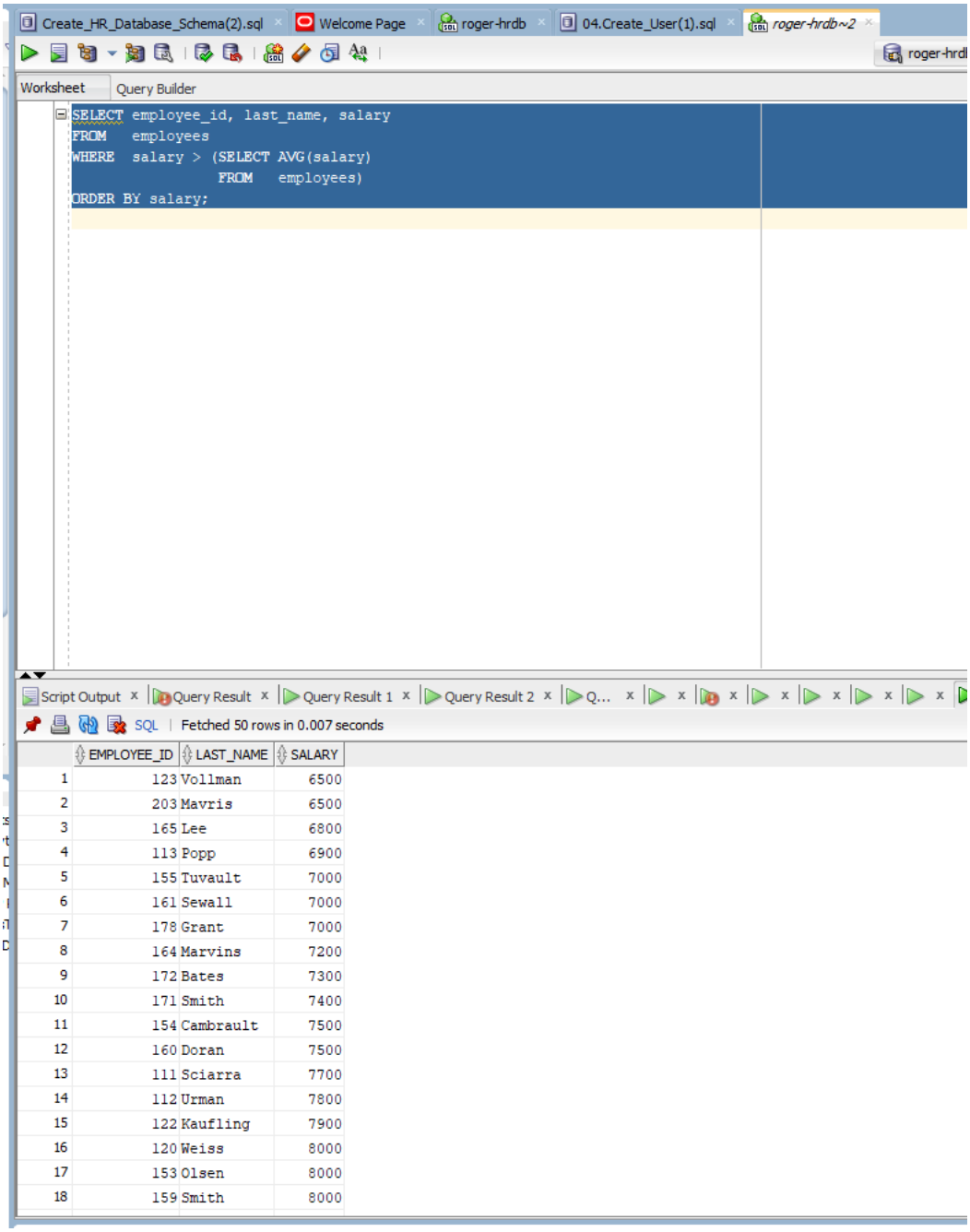
The SQL Developer output of oracle sql practice 8-1



Note: this screenshot shows that I've output all fields required for the practice by using filtering all employee work with zlotkey

Figure16

The SQL Developer output of oracle sql practice 8-2

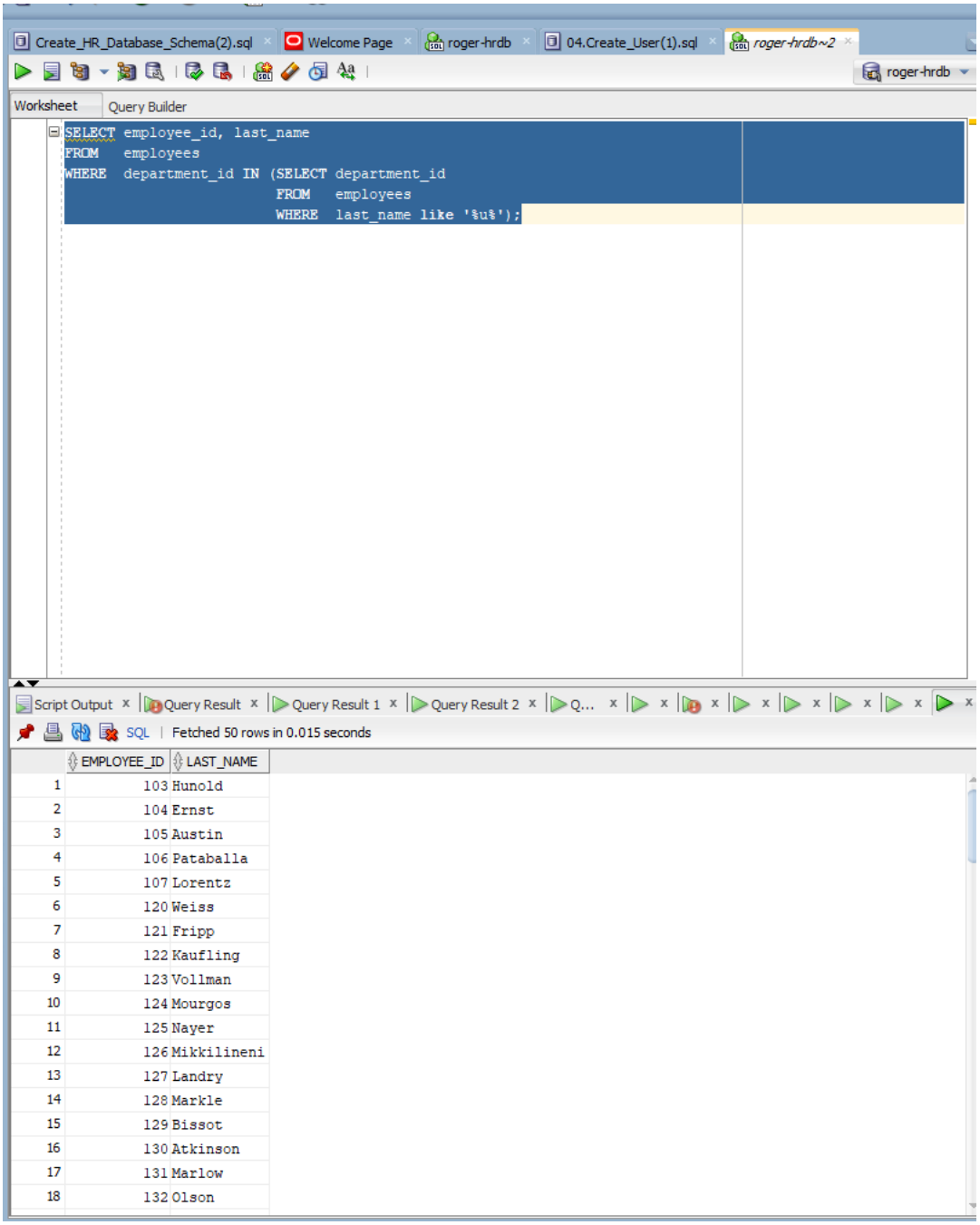


	EMPLOYEE_ID	LAST_NAME	SALARY
1	123	Vollman	6500
2	203	Mavris	6500
3	165	Lee	6800
4	113	Popp	6900
5	155	Tuvault	7000
6	161	Sewall	7000
7	178	Grant	7000
8	164	Marvins	7200
9	172	Bates	7300
10	171	Smith	7400
11	154	Cambrault	7500
12	160	Doran	7500
13	111	Sciarra	7700
14	112	Urman	7800
15	122	Kaufling	7900
16	120	Weiss	8000
17	153	Olsen	8000
18	159	Smith	8000

Note: this screenshot shows that I've output all fields required for the practice by using filtering all employee order by salary

Figure17

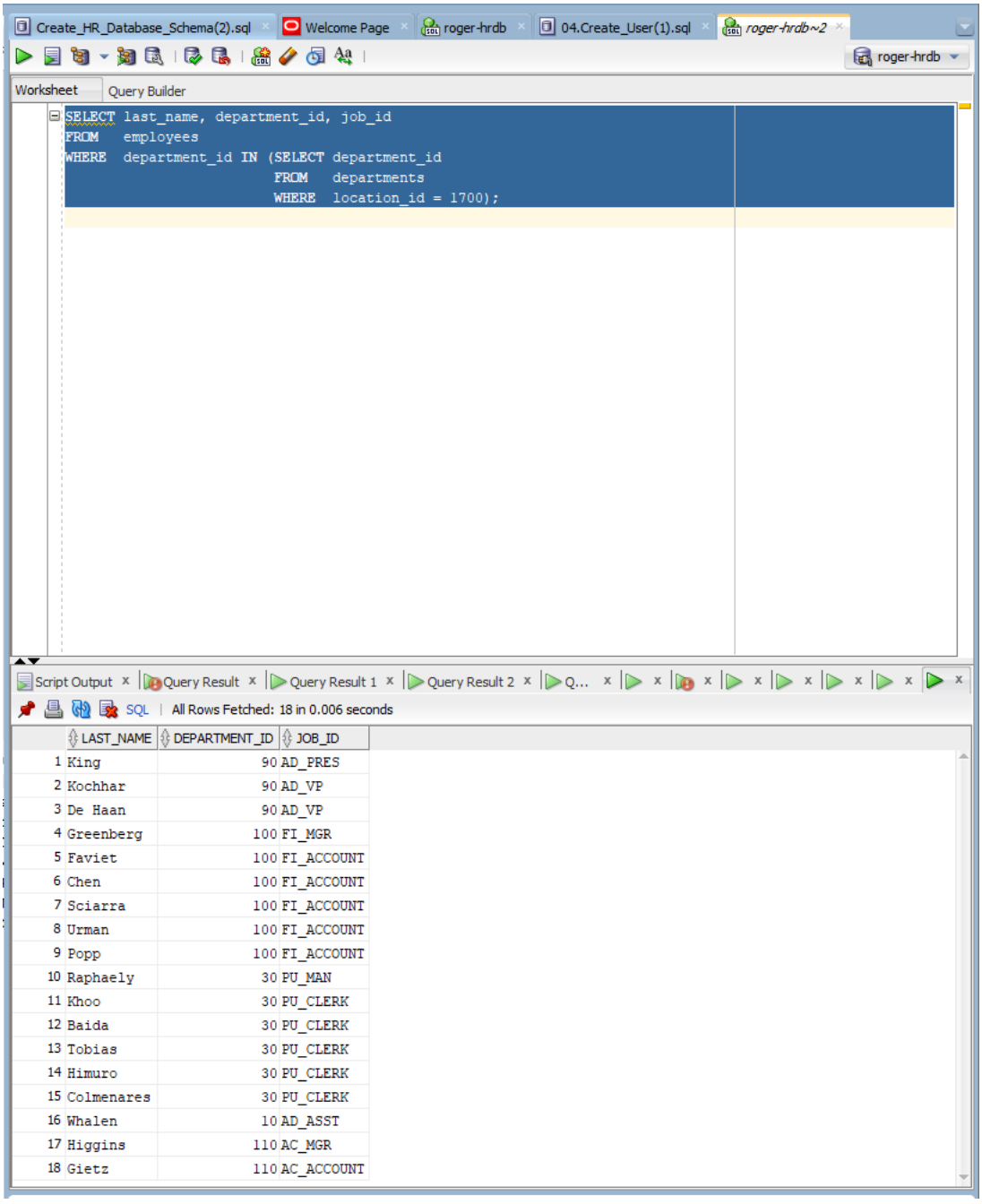
The SQL Developer output of oracle sql practice 8-3



Note: this screenshot shows that I've output all fields required for the practice by using filtering all employee with u in their name

Figure18

The SQL Developer output of oracle sql practice 8-4

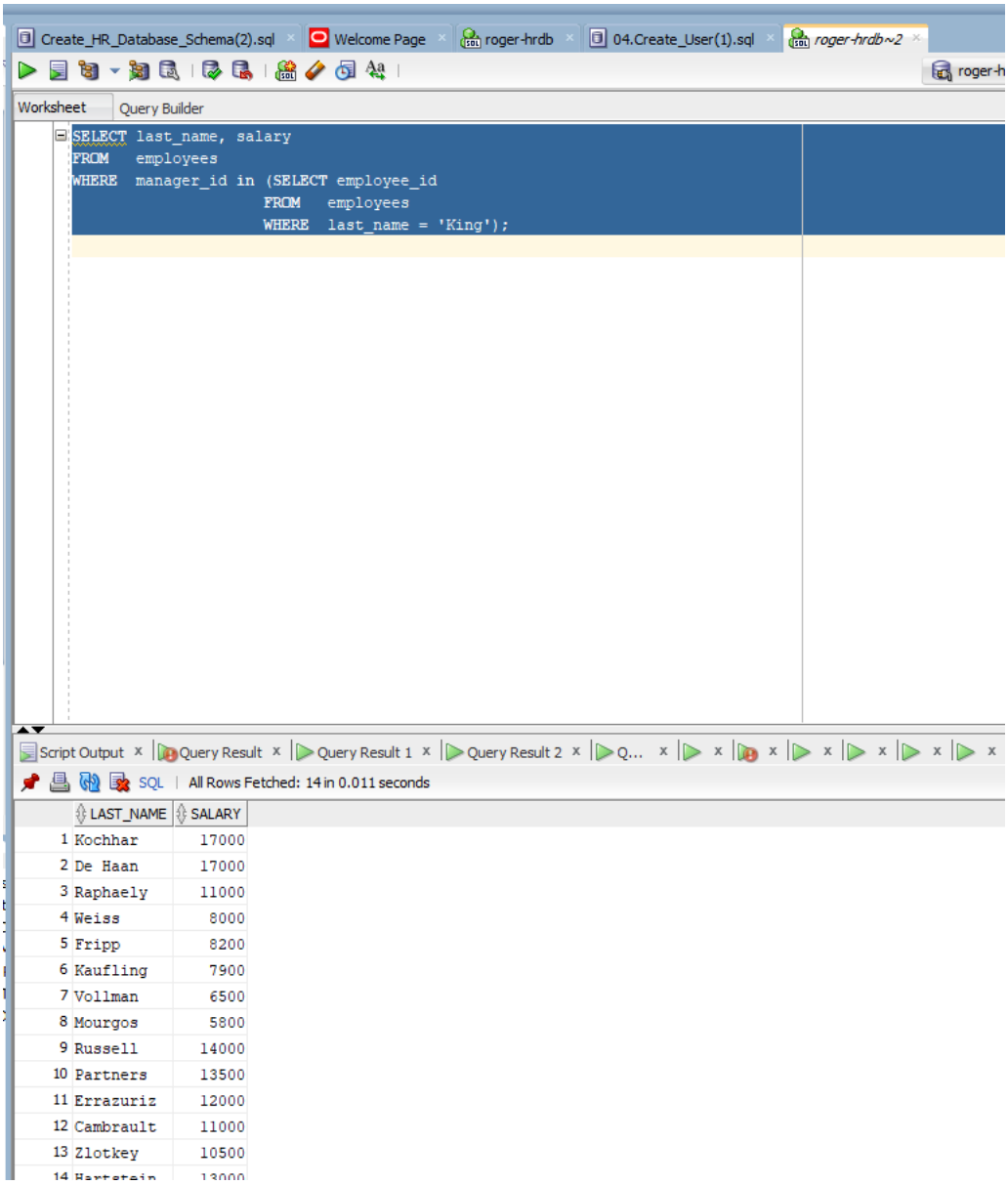


	LAST_NAME	DEPARTMENT_ID	JOB_ID
1	King	90	AD_PRES
2	Kochhar	90	AD_VP
3	De Haan	90	AD_VP
4	Greenberg	100	FI_MGR
5	Faviet	100	FI_ACCOUNT
6	Chen	100	FI_ACCOUNT
7	Sciarra	100	FI_ACCOUNT
8	Urman	100	FI_ACCOUNT
9	Popp	100	FI_ACCOUNT
10	Raphaely	30	PU_MAN
11	Khoo	30	PU_CLERK
12	Baida	30	PU_CLERK
13	Tobias	30	PU_CLERK
14	Himuro	30	PU_CLERK
15	Colmenares	30	PU_CLERK
16	Whalen	10	AD_ASST
17	Higgins	110	AC_MGR
18	Gietz	110	AC_ACCOUNT

Note: this screenshot shows that I've output all fields required for the practice by using filtering all employee with location id=1700

Figure19

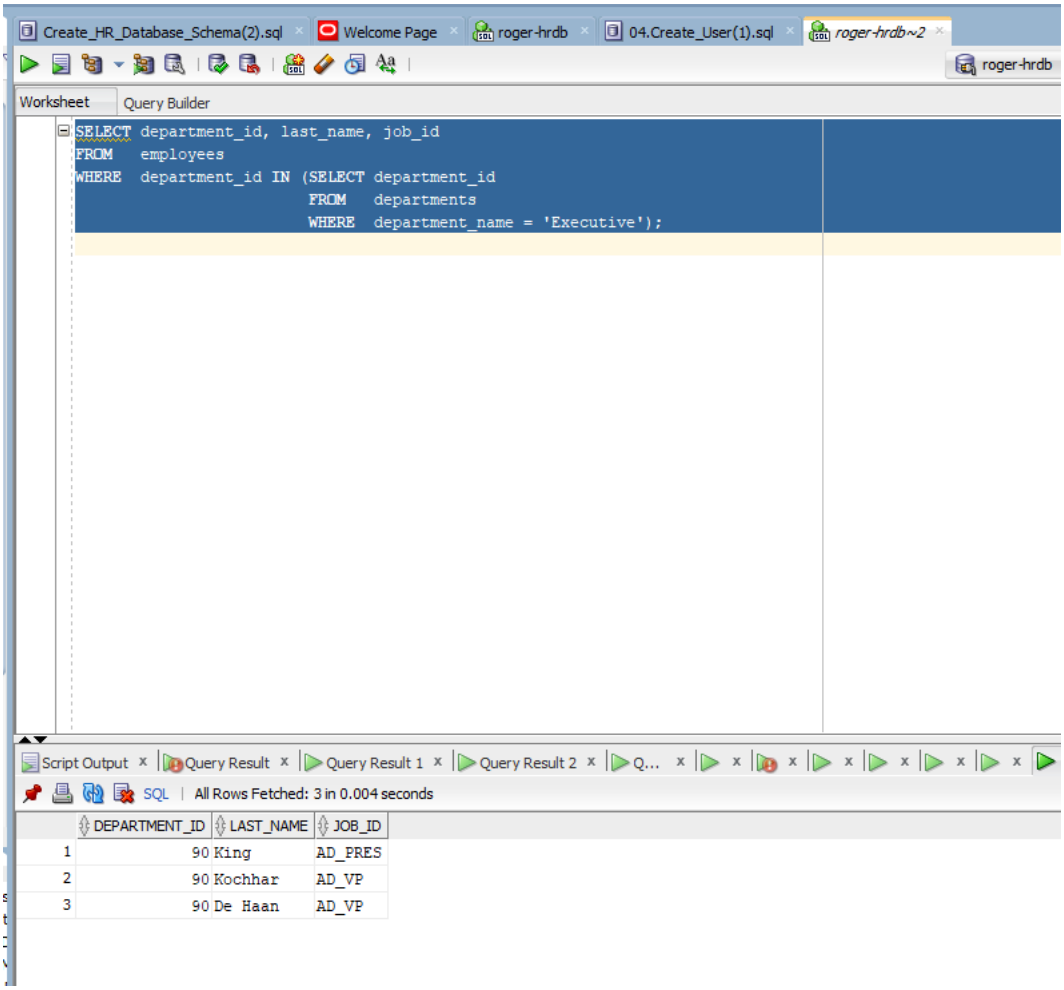
The SQL Developer output of oracle sql practice 8-5



Note: this screenshot shows that I've output all fields required for the practice by using filtering all employee with king as their manager

Figure20

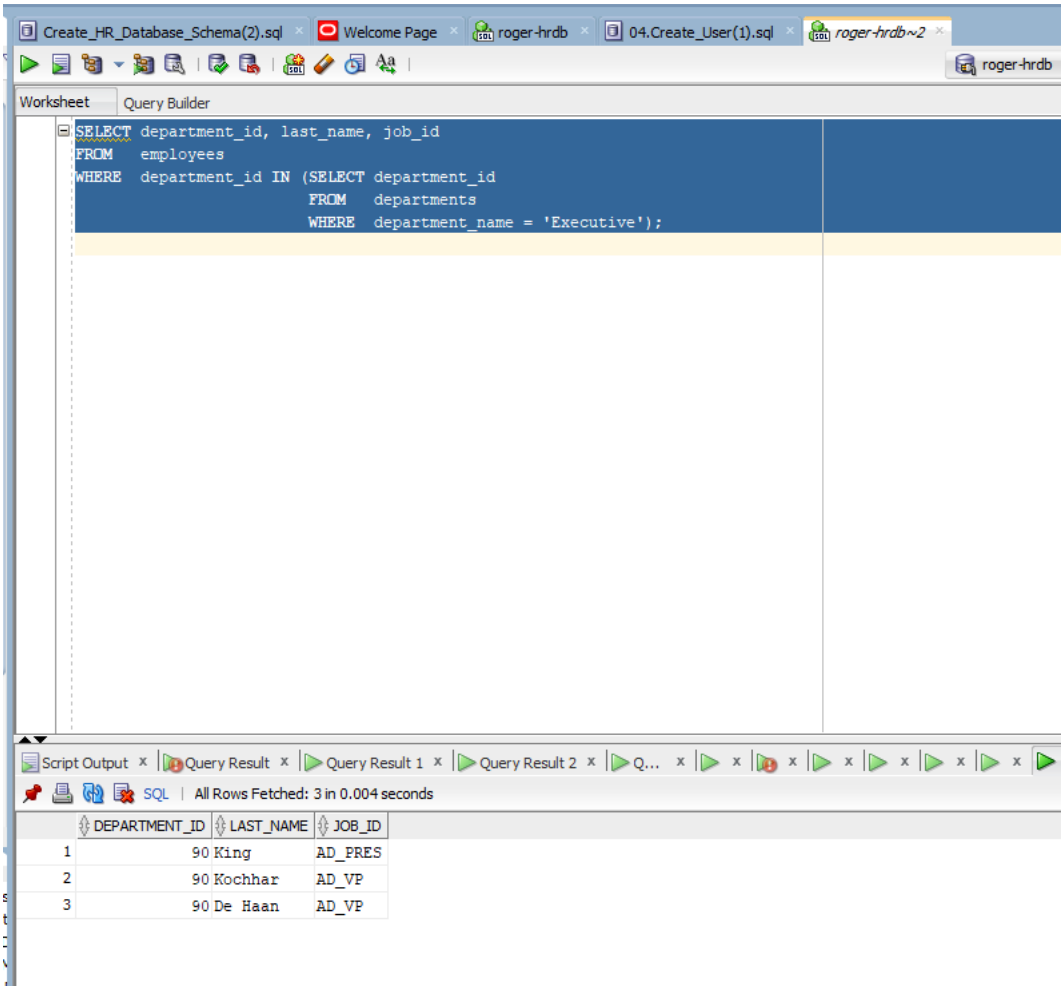
The SQL Developer output of oracle sql practice 8-6



Note: this screenshot shows that I've output all fields required for the practice by using filtering all employee with the executive department

Figure21

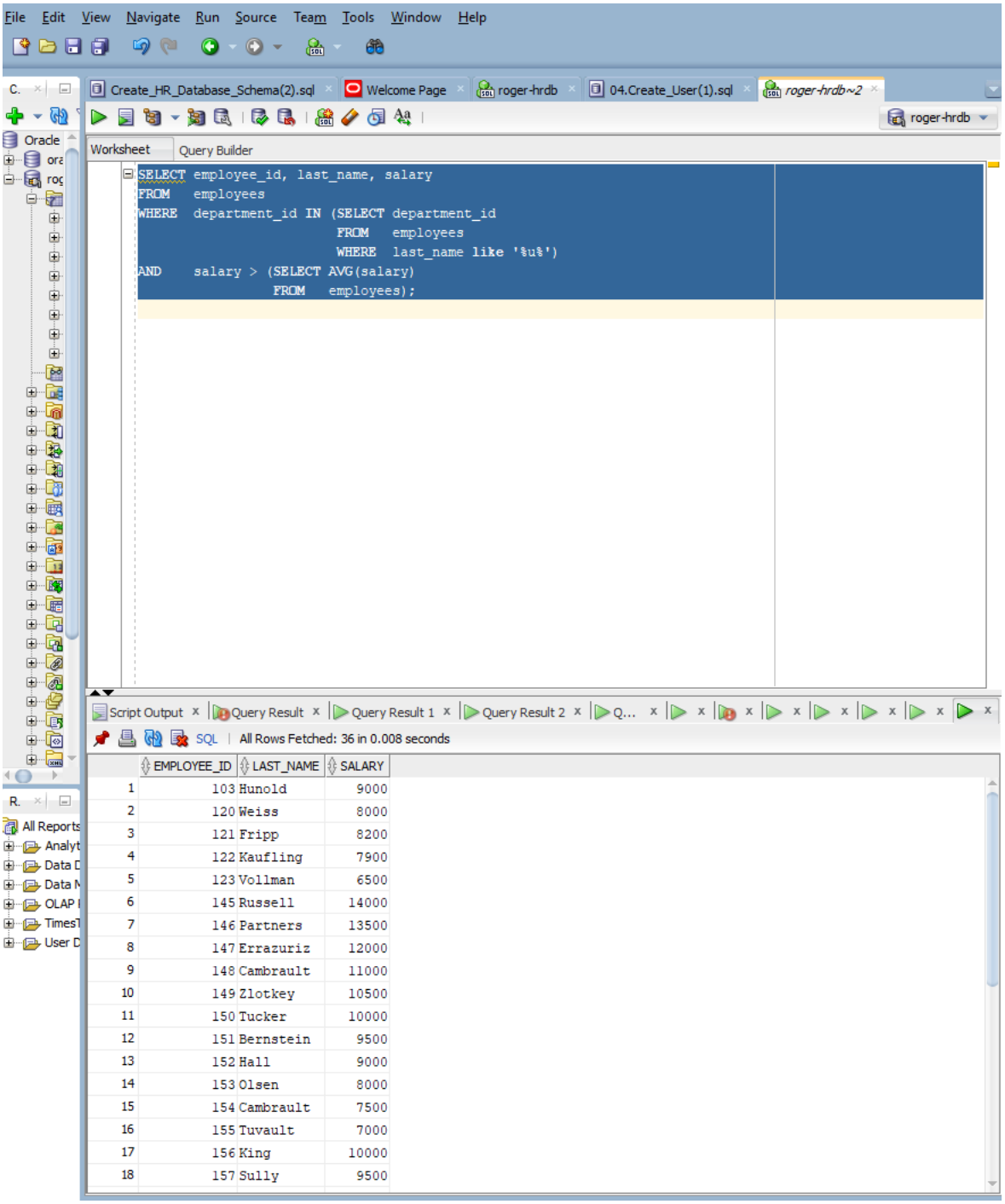
The SQL Developer output of oracle sql practice 8-7



Note: this screenshot shows that I've output all fields required for the practice by using filtering all employee with the executive department

Figure22

The SQL Developer output of oracle sql practice 8-8



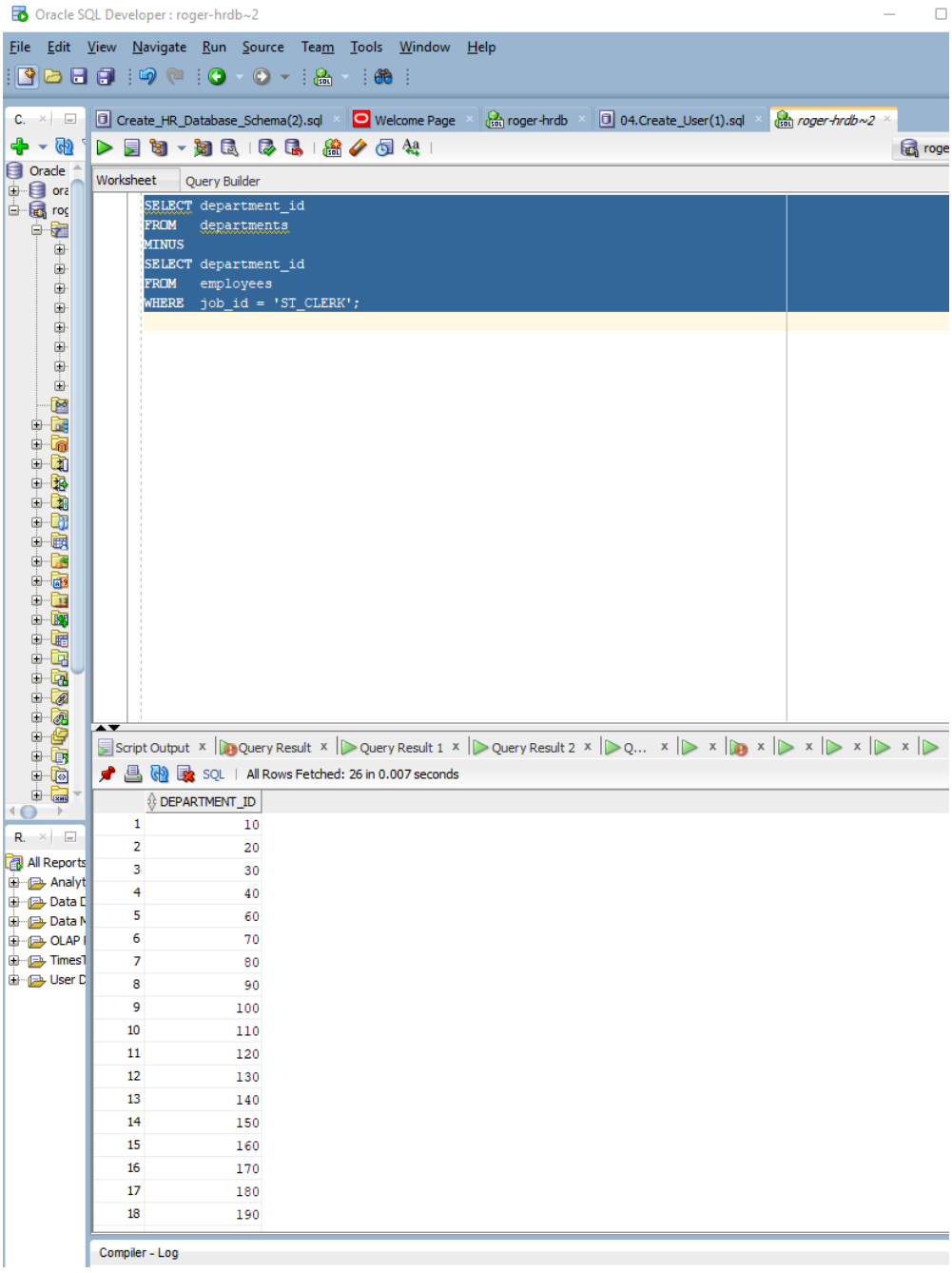
	EMPLOYEE_ID	LAST_NAME	SALARY
1	103	Hunold	9000
2	120	Weiss	8000
3	121	Fripp	8200
4	122	Kaufling	7900
5	123	Vollman	6500
6	145	Russell	14000
7	146	Partners	13500
8	147	Errazuriz	12000
9	148	Cambrault	11000
10	149	Zlotkey	10500
11	150	Tucker	10000
12	151	Bernstein	9500
13	152	Hall	9000
14	153	Olsen	8000
15	154	Cambrault	7500
16	155	Tuvault	7000
17	156	King	10000
18	157	Sully	9500

Note: this screenshot shows that I've output all fields required for the practice by using filtering all employee with the more than avg salary

Oracle Practice 9

Figure23

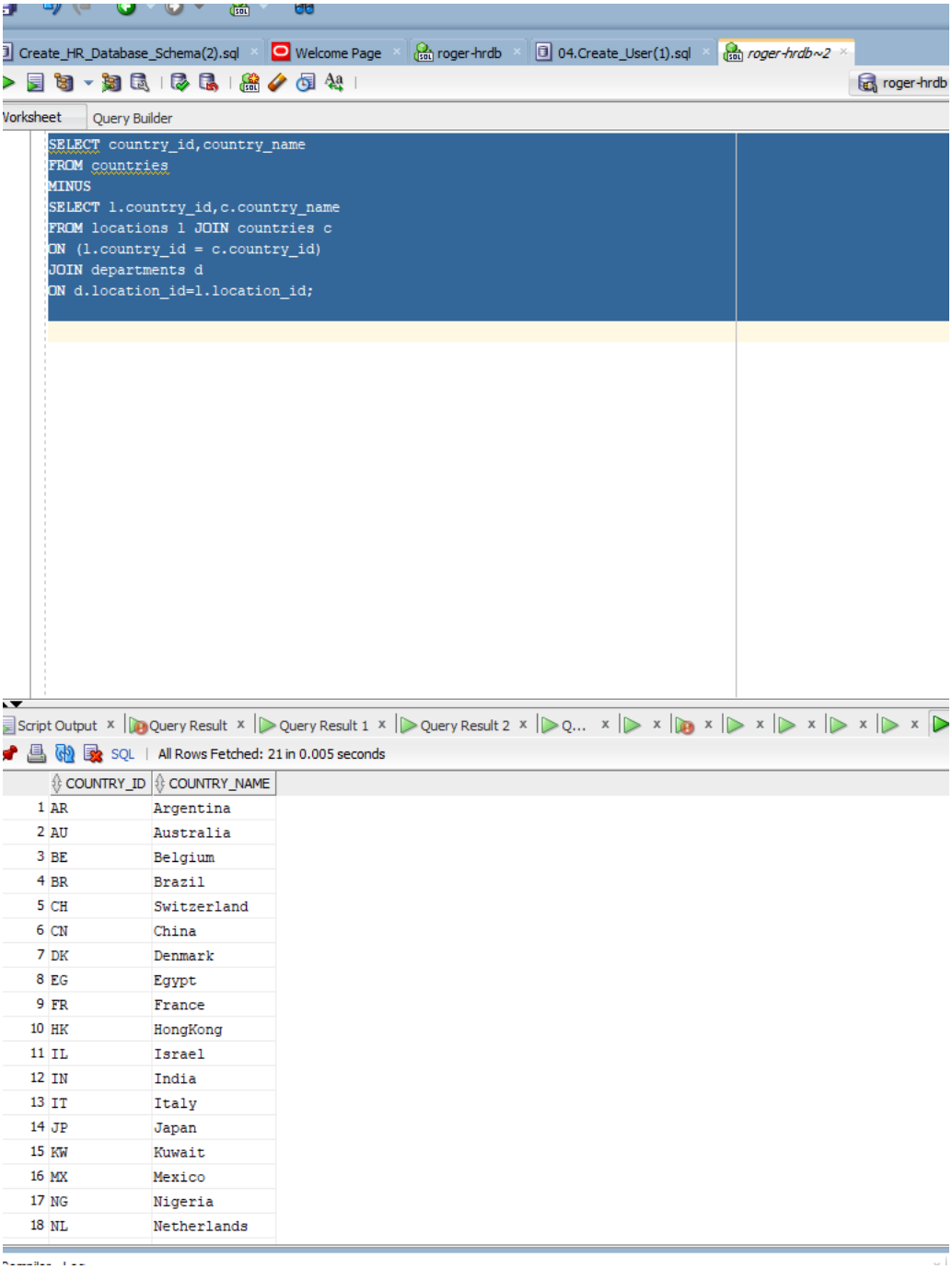
The SQL Developer output of oracle sql practice 9-1



Note: this screenshot shows that I've output all fields required for the practice by using filtering all department with employee id st_clerk

Figure24

The SQL Developer output of oracle sql practice 9-2

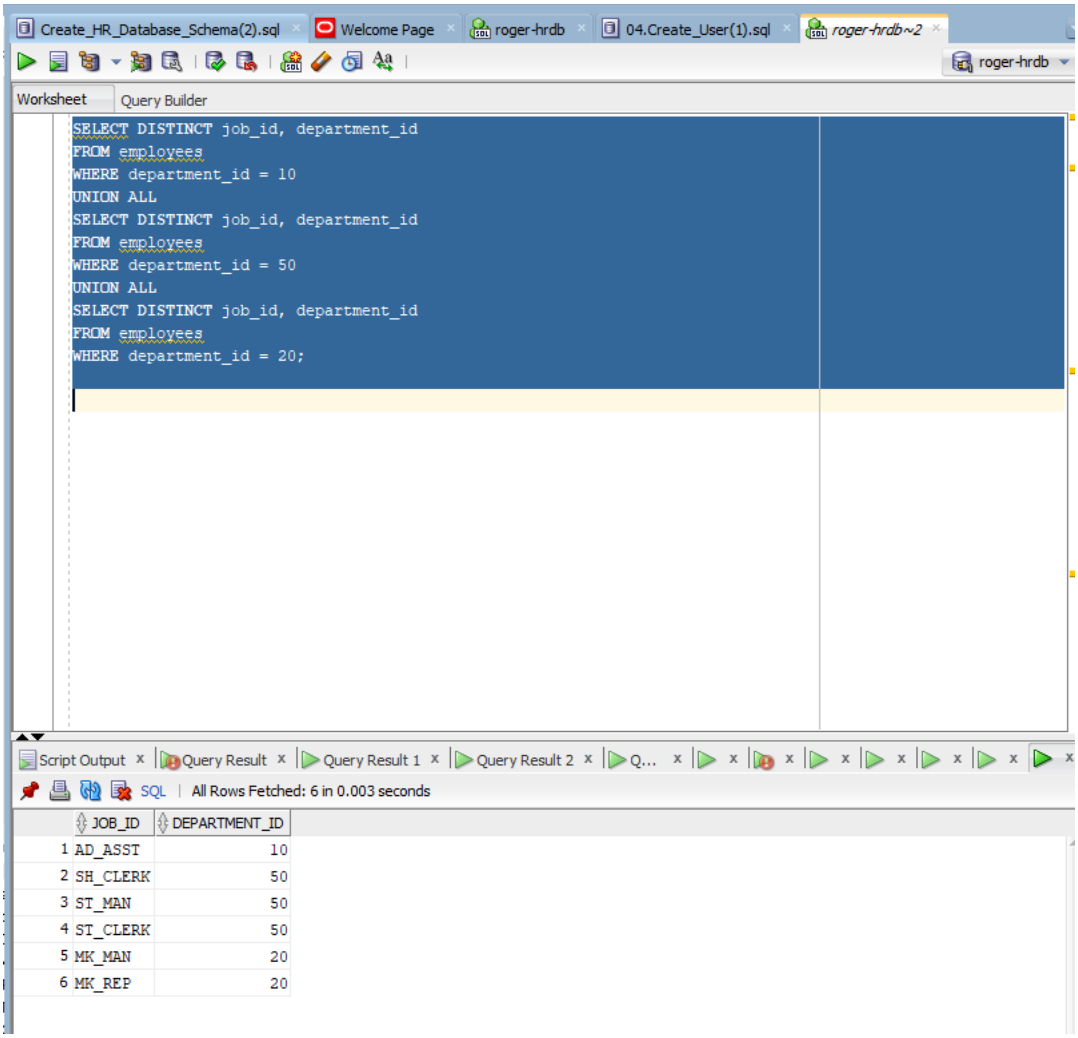


	COUNTRY_ID	COUNTRY_NAME
1	AR	Argentina
2	AU	Australia
3	BE	Belgium
4	BR	Brazil
5	CH	Switzerland
6	CN	China
7	DK	Denmark
8	EG	Egypt
9	FR	France
10	HK	HongKong
11	IL	Israel
12	IN	India
13	IT	Italy
14	JP	Japan
15	KW	Kuwait
16	MX	Mexico
17	NG	Nigeria
18	NL	Netherlands

Note: this screenshot shows that I've output all fields required for the practice by using filtering all country without department

Figure25

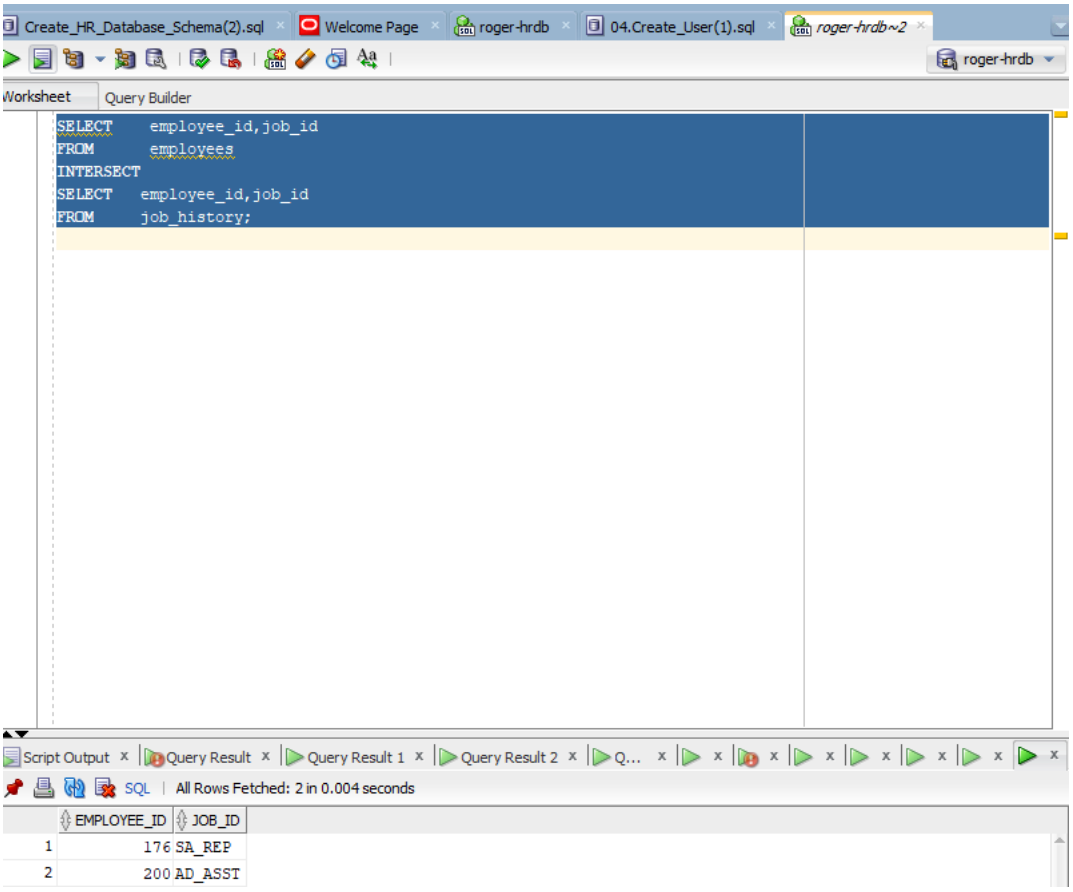
The SQL Developer output of oracle sql practice 9-3



Note: this screenshot shows that I've output all fields required for the practice by using filtering all job_id in department id

Figure26

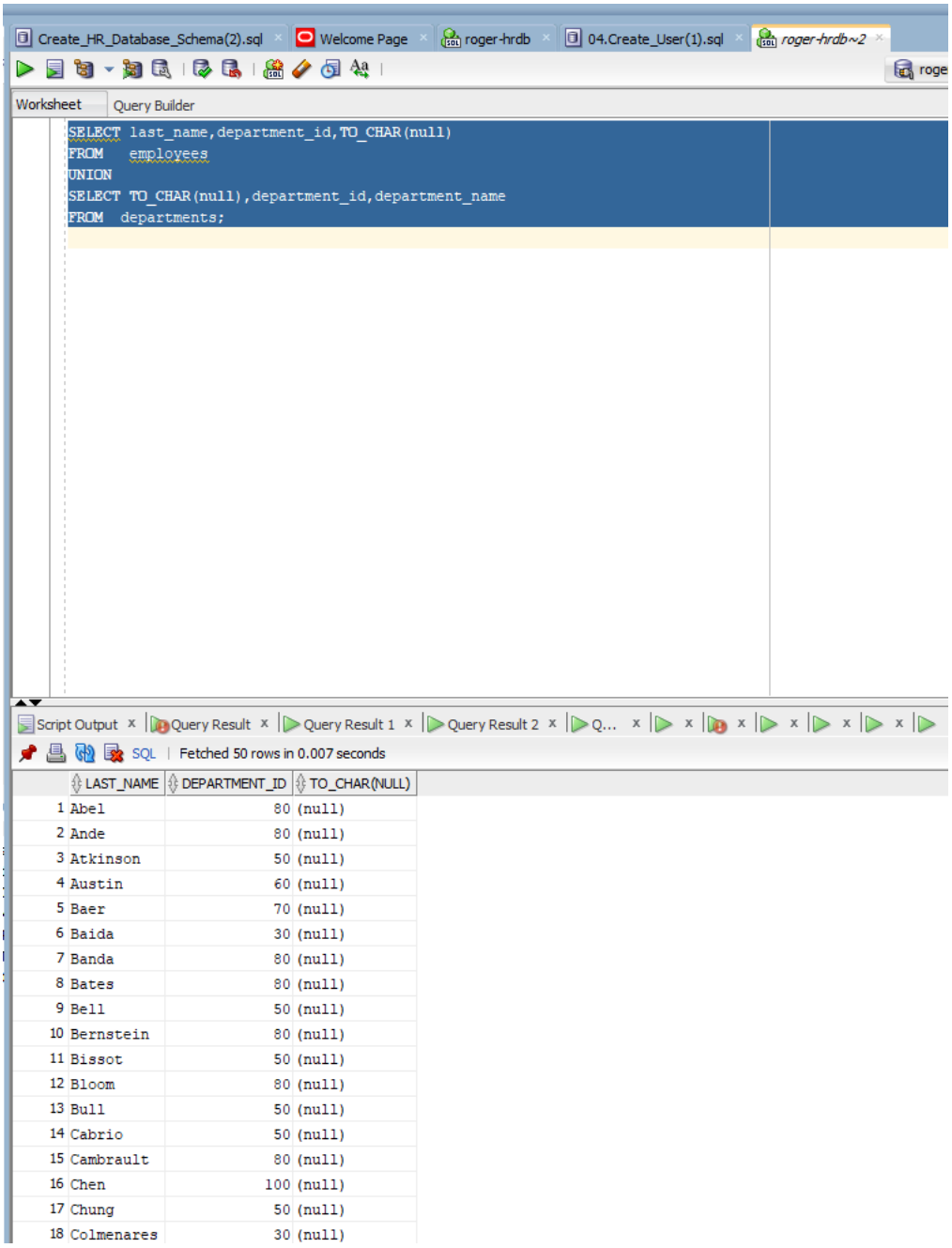
The SQL Developer output of oracle sql practice 9-4



Note: this screenshot shows that I've output all fields required for the practice by using filtering all employee same with their previous jobs

Figure27

The SQL Developer output of oracle sql practice 9-5



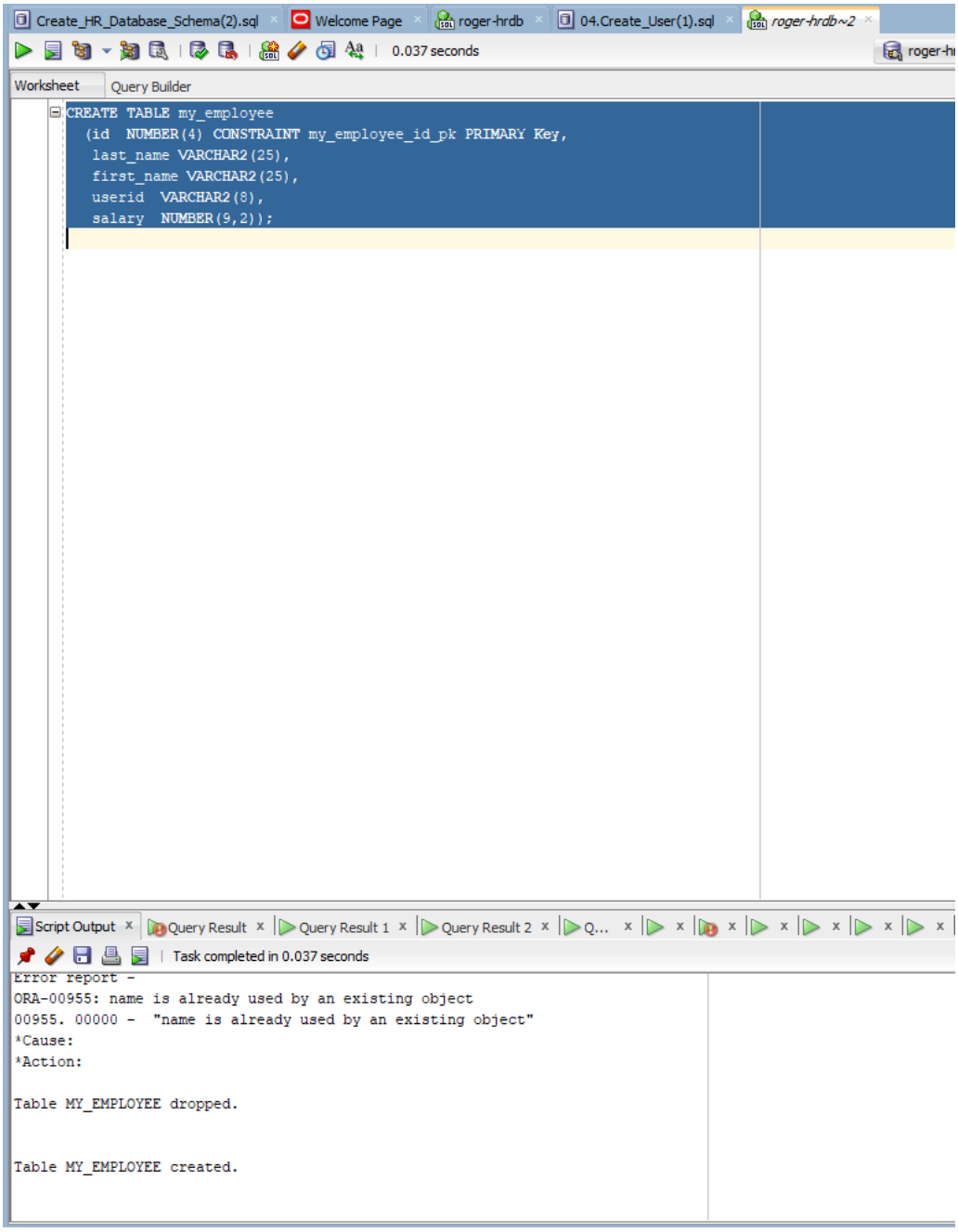
	LAST_NAME	DEPARTMENT_ID	TO_CHAR(NULL)
1	Abel	80	(null)
2	Ande	80	(null)
3	Atkinson	50	(null)
4	Austin	60	(null)
5	Baer	70	(null)
6	Baida	30	(null)
7	Banda	80	(null)
8	Bates	80	(null)
9	Bell	50	(null)
10	Bernstein	80	(null)
11	Bissot	50	(null)
12	Bloom	80	(null)
13	Bull	50	(null)
14	Cabrio	50	(null)
15	Cambrault	80	(null)
16	Chen	100	(null)
17	Chung	50	(null)
18	Colmenares	30	(null)

Note: this screenshot shows that I've output all fields required for the practice by using filtering all employee last name and department number

Oracle practice 10

Figure28

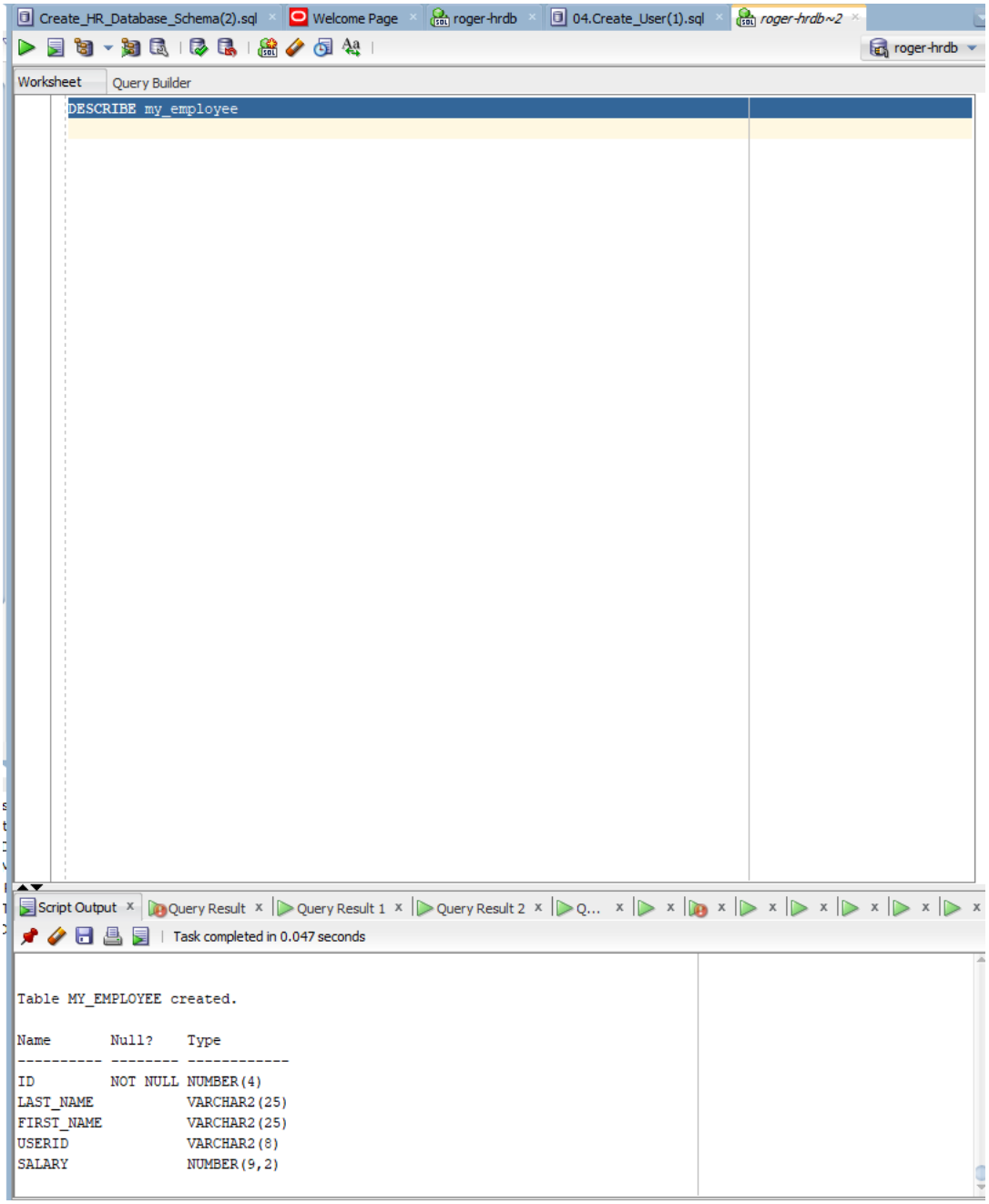
The SQL Developer output of oracle sql practice 10-1



Note: this screenshot shows that I've output the successful creation of the table needed for the practice

Figure29

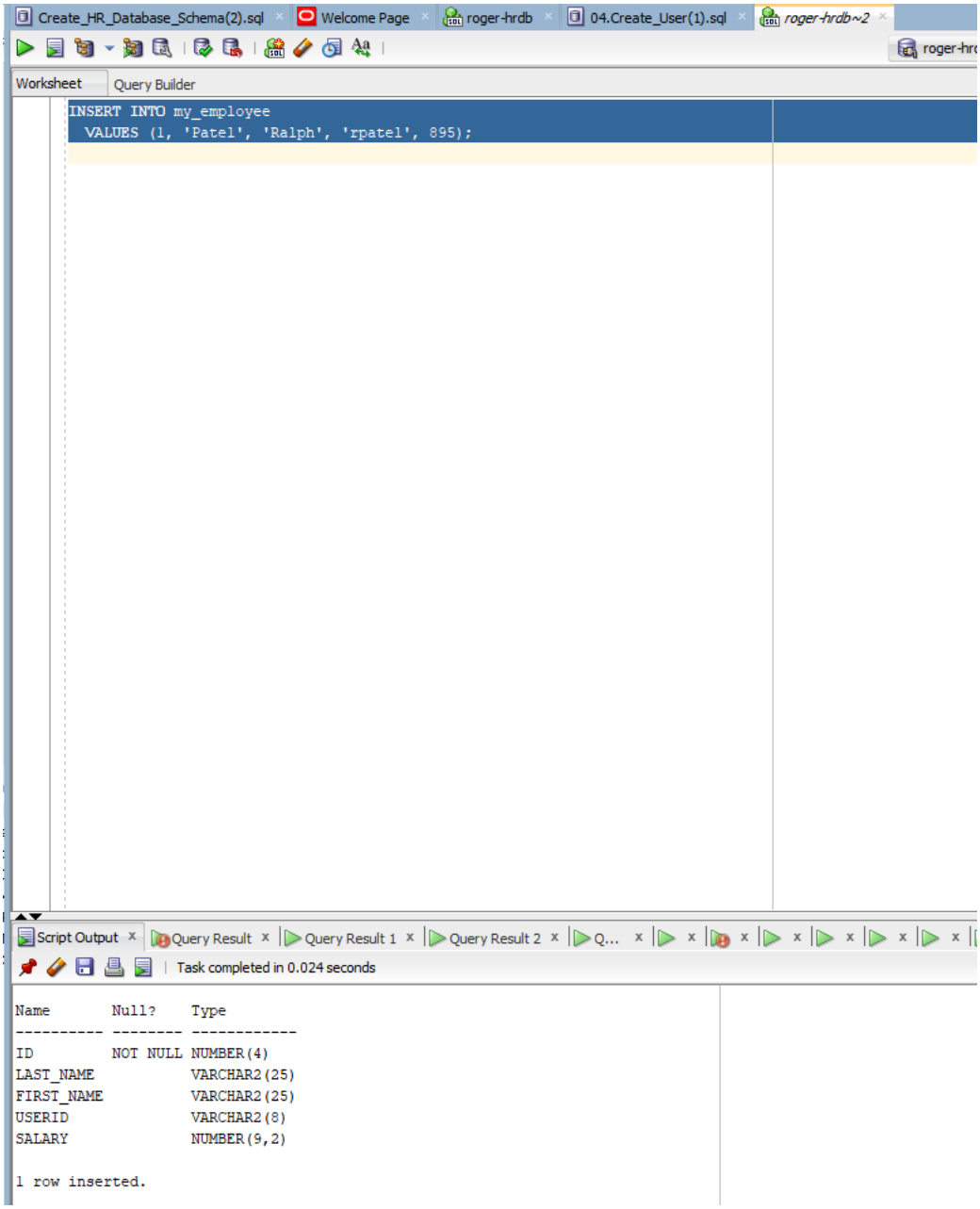
The SQL Developer output of oracle sql practice 10-2



Note: this screenshot shows that I've output the description of the table needed for the practice

Figure30

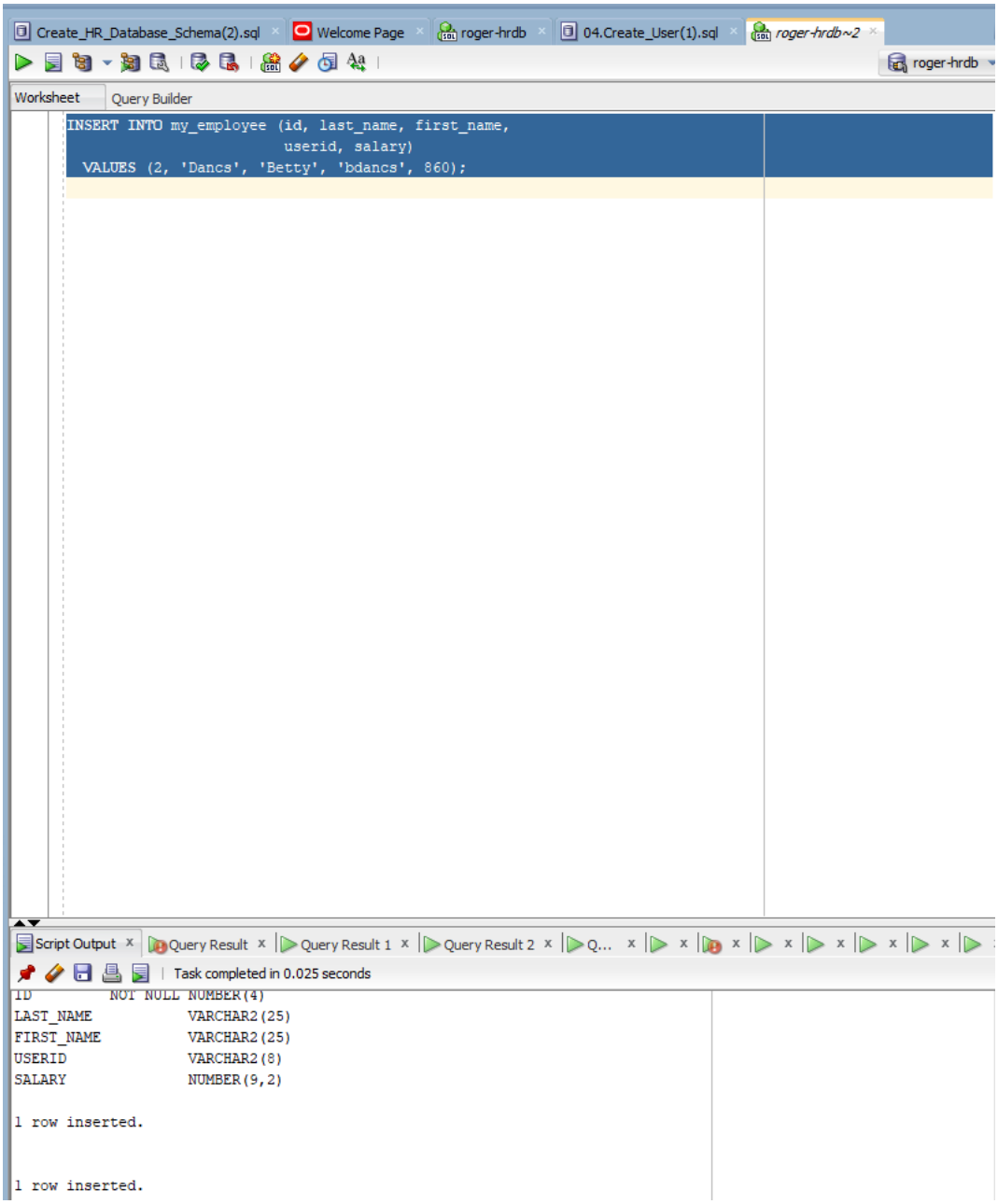
The SQL Developer output of oracle sql practice 10-3



Note: this screenshot shows that I've output the successful insert of the record.

Figure31

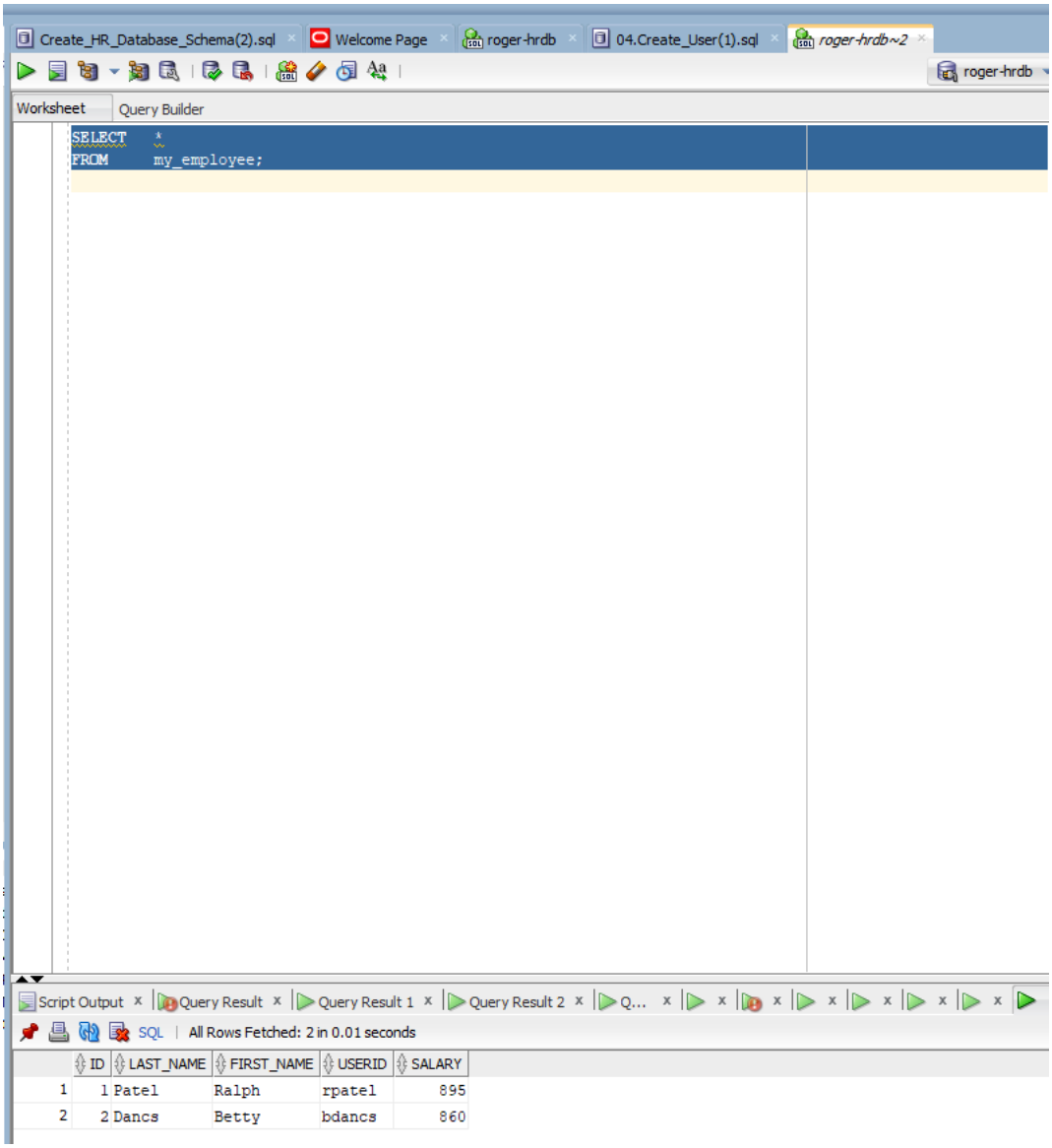
The SQL Developer output of oracle sql practice 10-4



Note: this screenshot shows that I've output the successful insert of the record.

Figure32

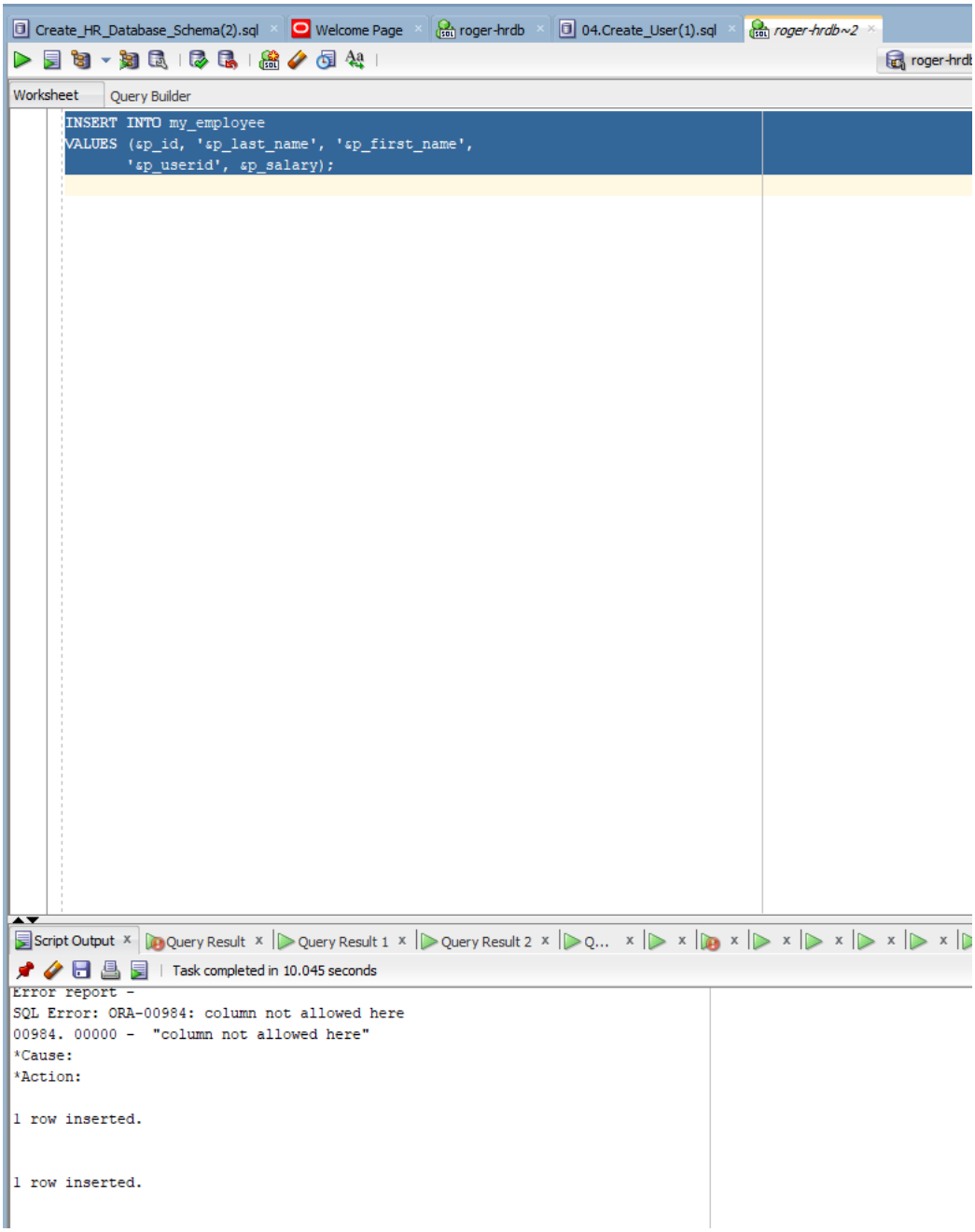
The SQL Developer output of oracle sql practice 10-5



Note: this screenshot shows that I've output the previous rows that inserted

Figure33

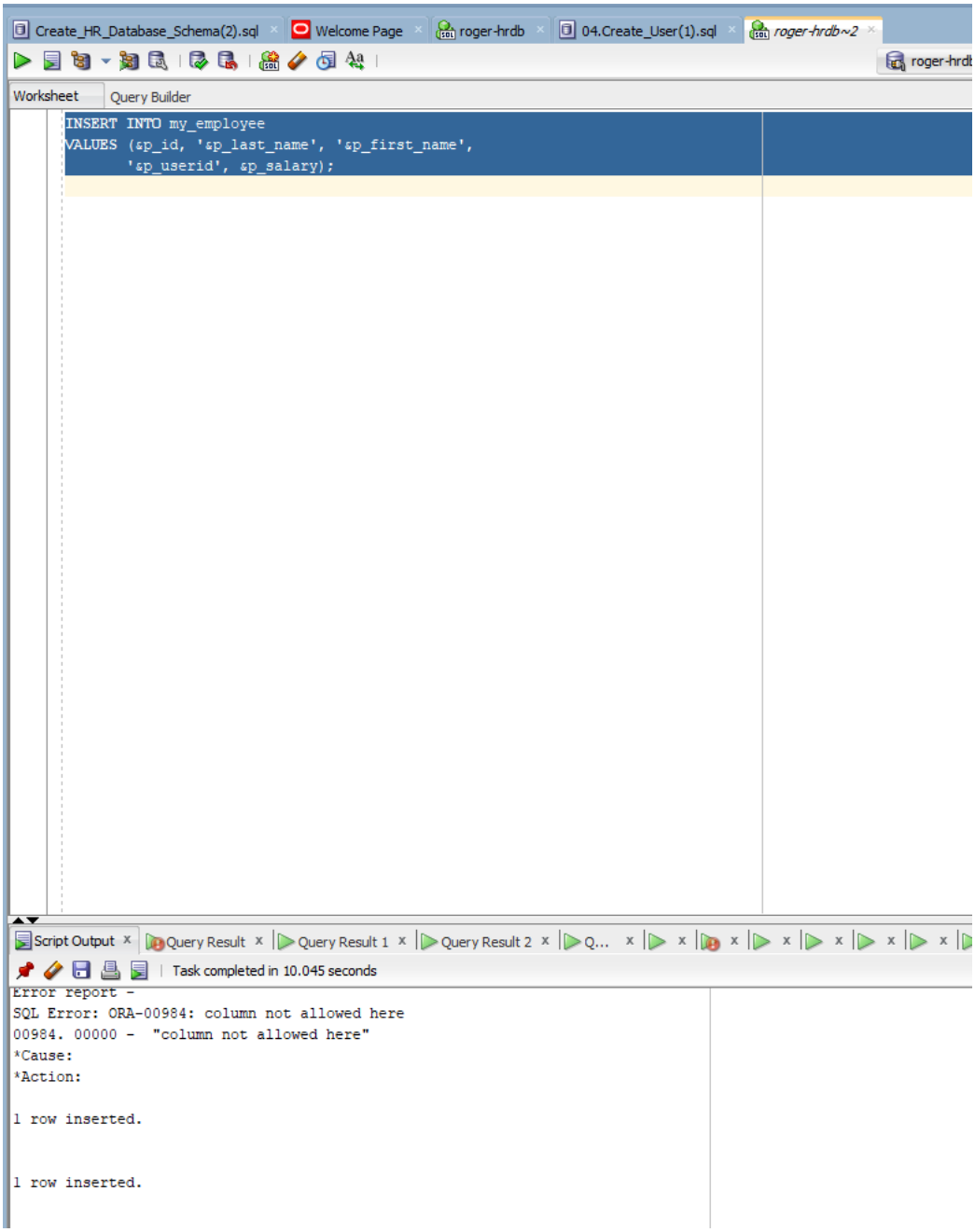
The SQL Developer output of oracle sql practice 10-6



Note: this screenshot shows that I've output the previous rows that inserted

Figure34

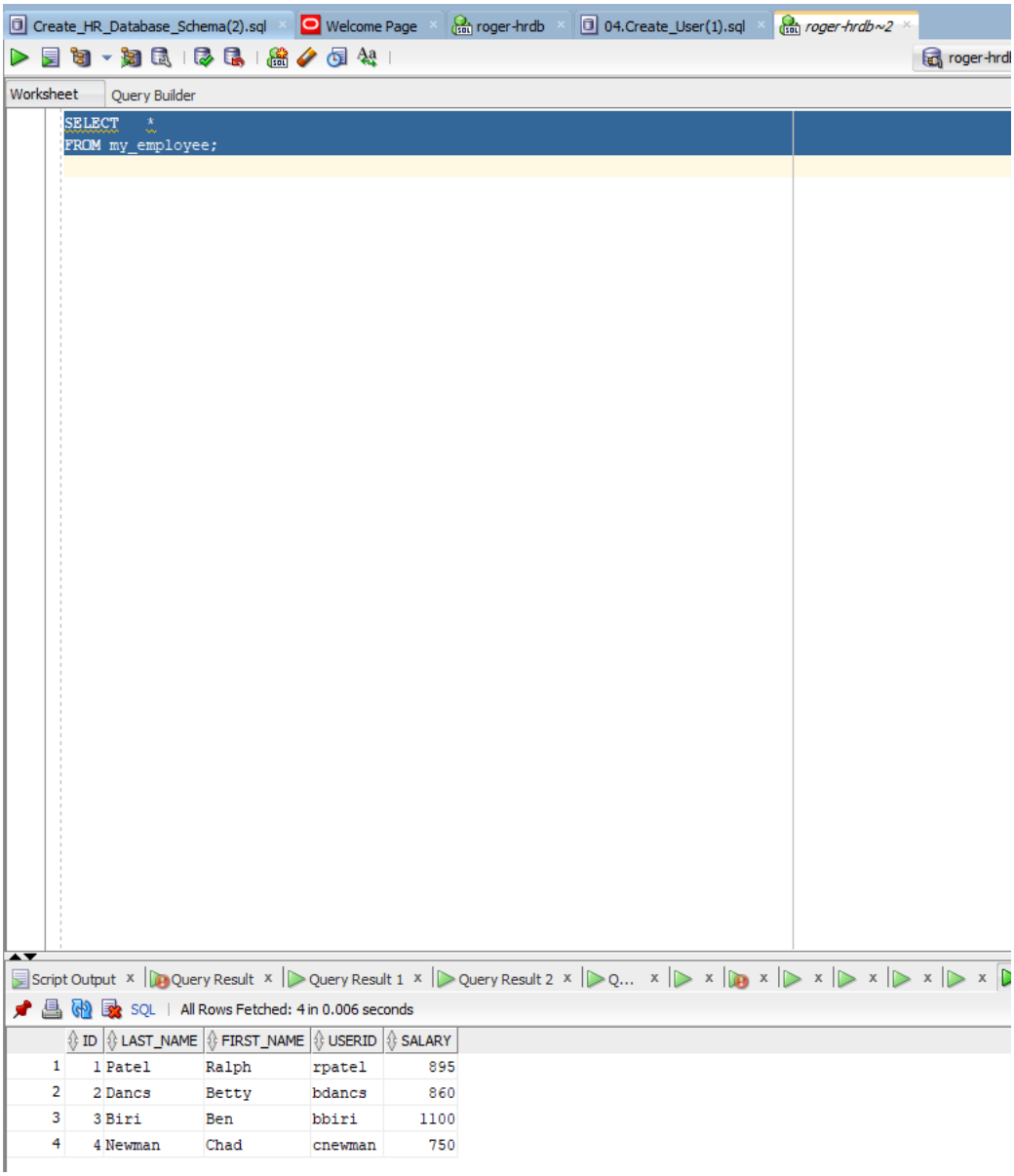
The SQL Developer output of oracle sql practice 10-7



Note: this screenshot shows that I've output the two required rows are inserted

Figure35

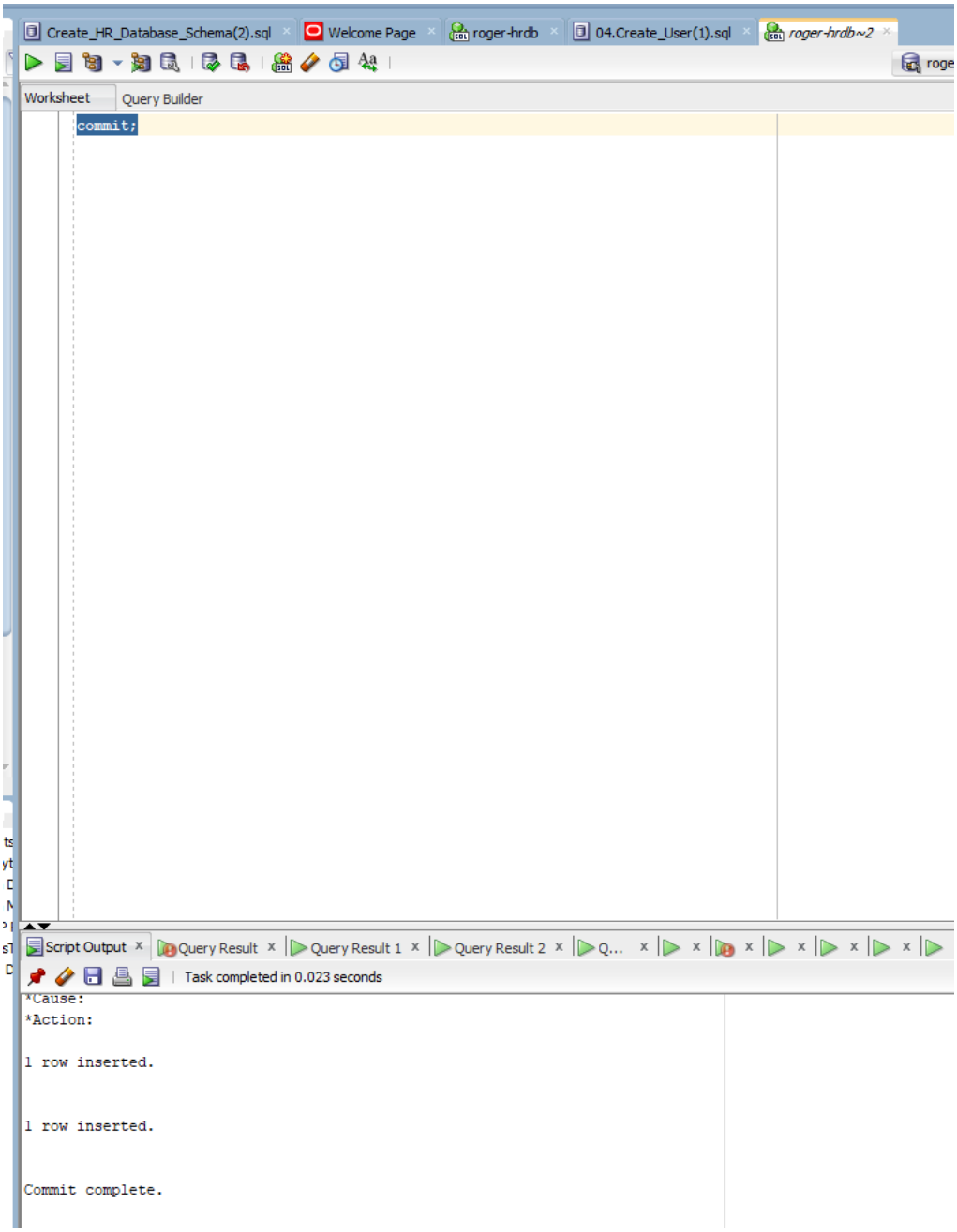
The SQL Developer output of oracle sql practice 10-8



Note: this screenshot shows that I've output the four required rows are inserted

Figure35

The SQL Developer output of oracle sql practice 10-9

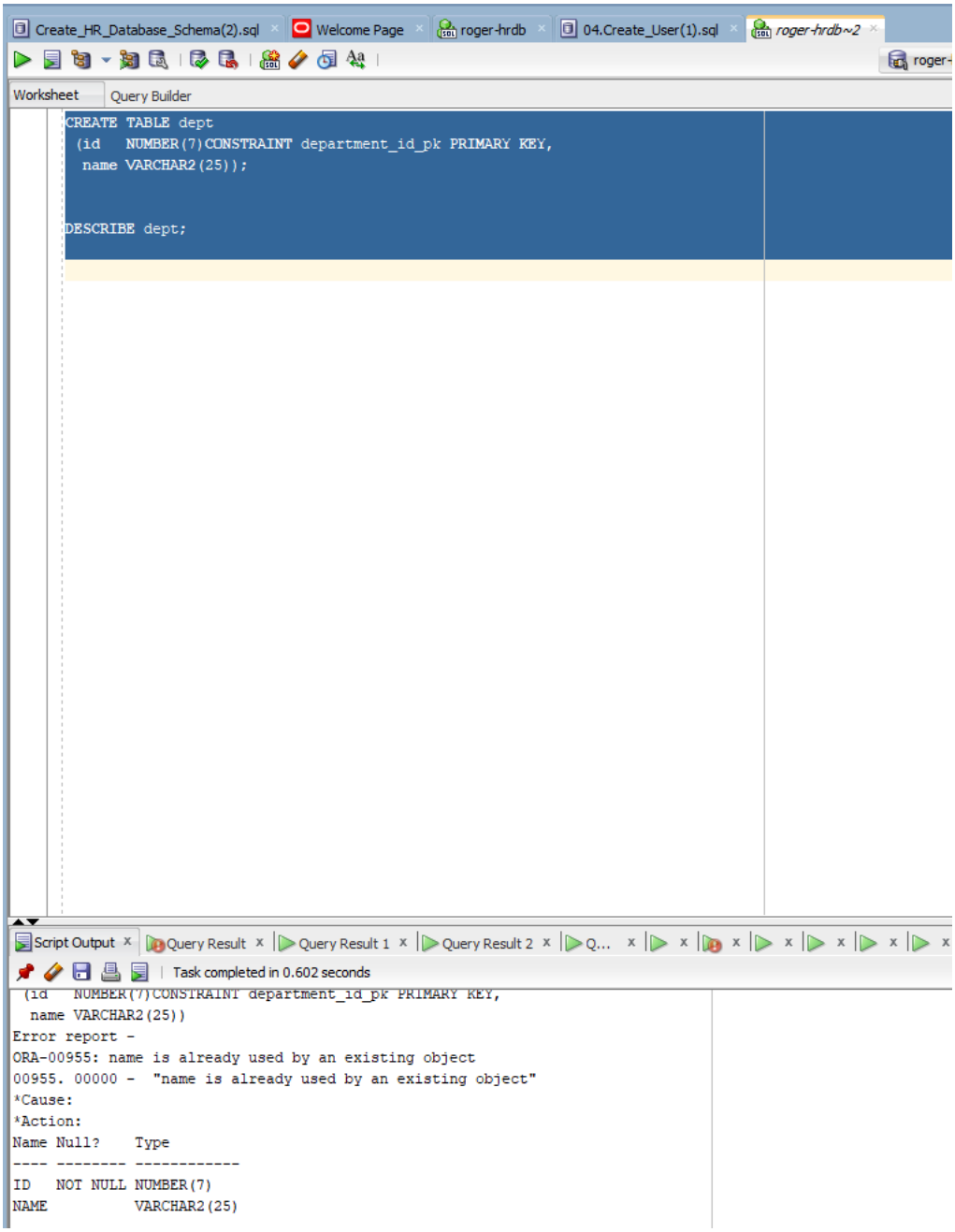


Note: this screenshot shows that I've output the four required rows are commited

Oracle practice 11

Figure36

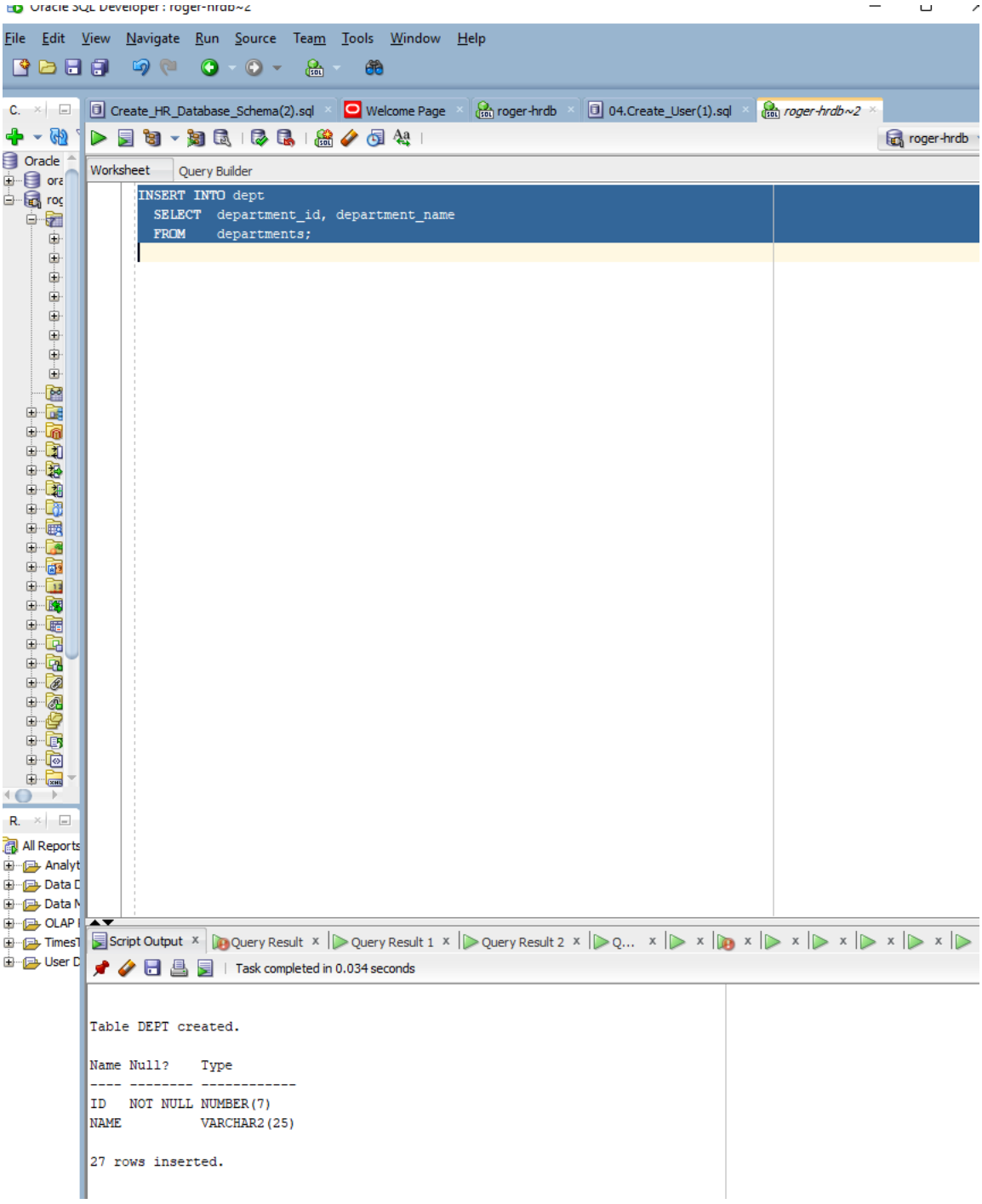
The SQL Developer output of oracle sql practice 11-1



Note: this screenshot shows that I've output the successful creation of the table needed for the practice

Figure37

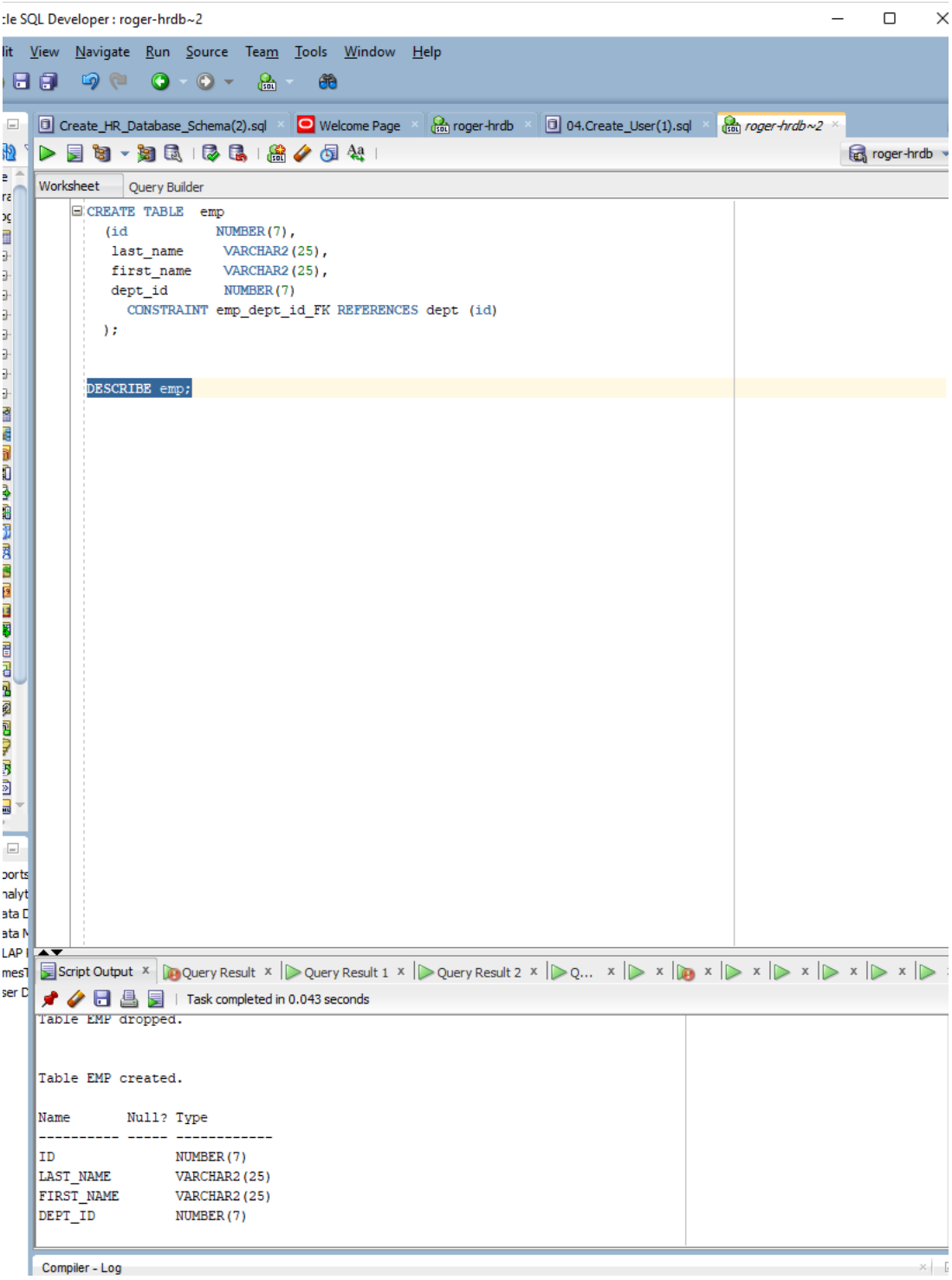
The SQL Developer output of oracle sql practice 11-2



Note: this screenshot shows that I've output the successful population of new created dept table

Figure38

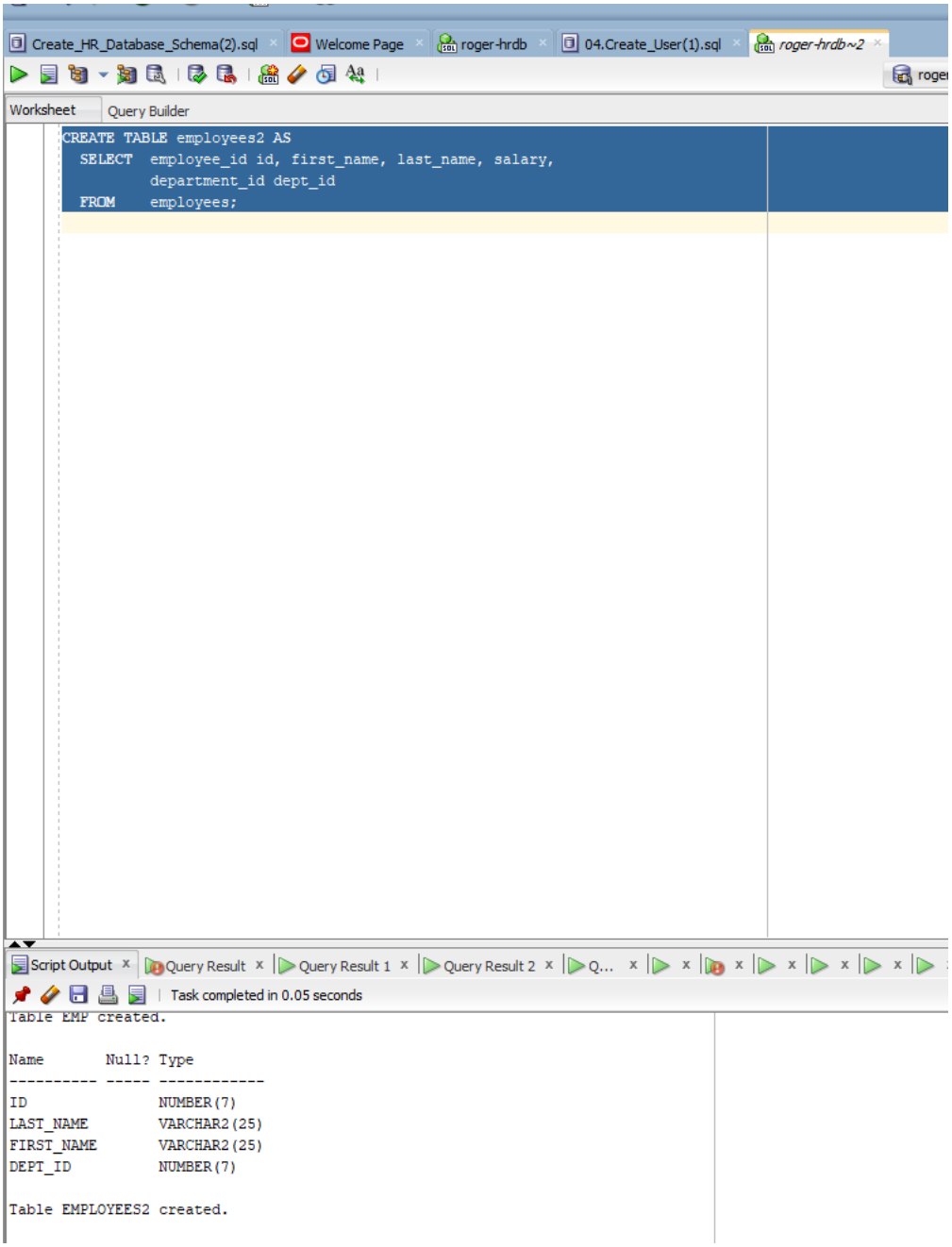
The SQL Developer output of oracle sql practice 11-3



Note: this screenshot shows that I've output the successful creation of the table emp

Figure39

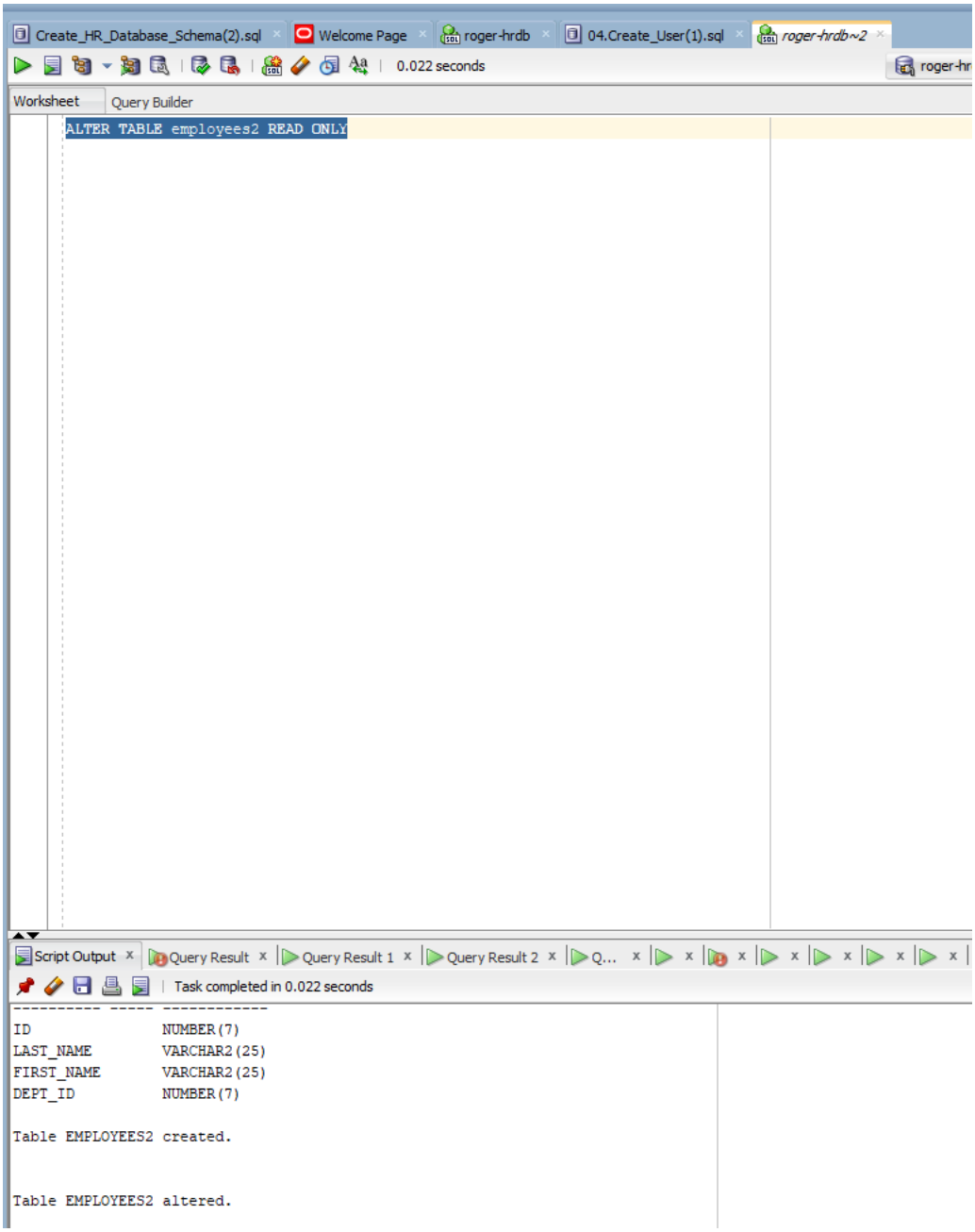
The SQL Developer output of oracle sql practice 11-4



Note: this screenshot shows that I've output the successful creation of the table employee2 and populate with employee table

Figure40

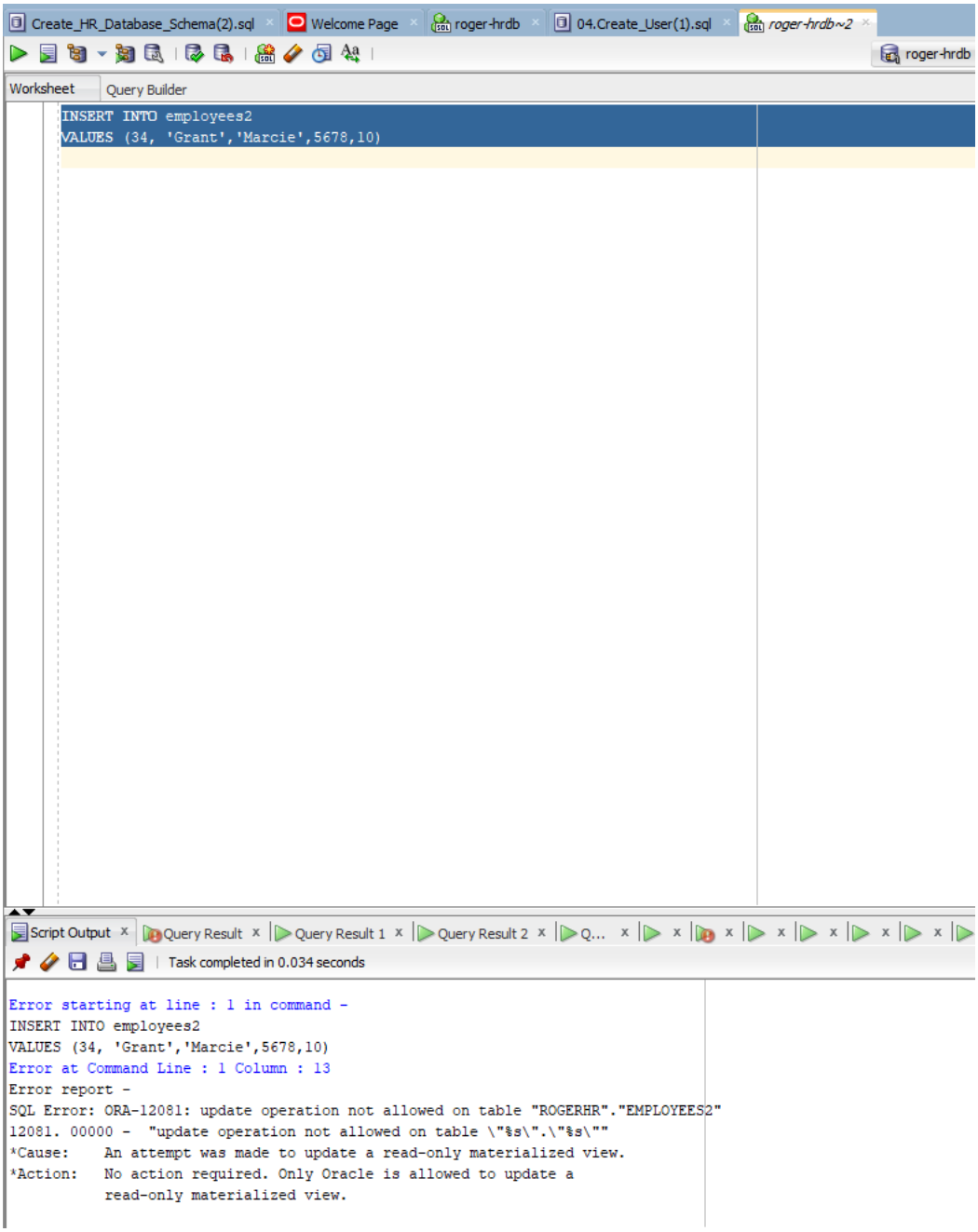
The SQL Developer output of oracle sql practice 11-5



Note: this screenshot shows that I've output the successful creation of the table employee2 and change it to read only

Figure41

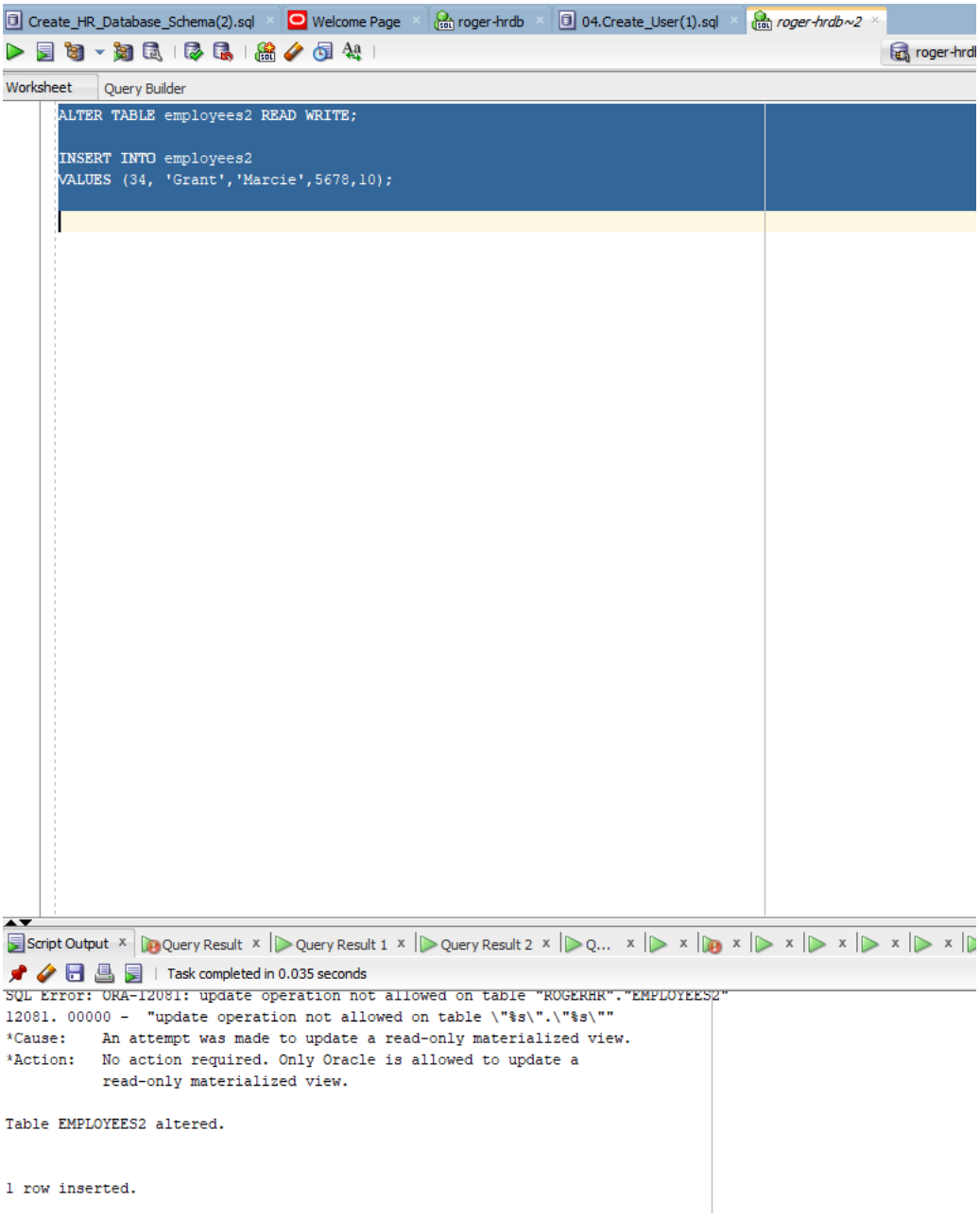
The SQL Developer output of oracle sql practice 11-6



Note: this screenshot shows that I've output the failed insert of record into the read only table

Figure41

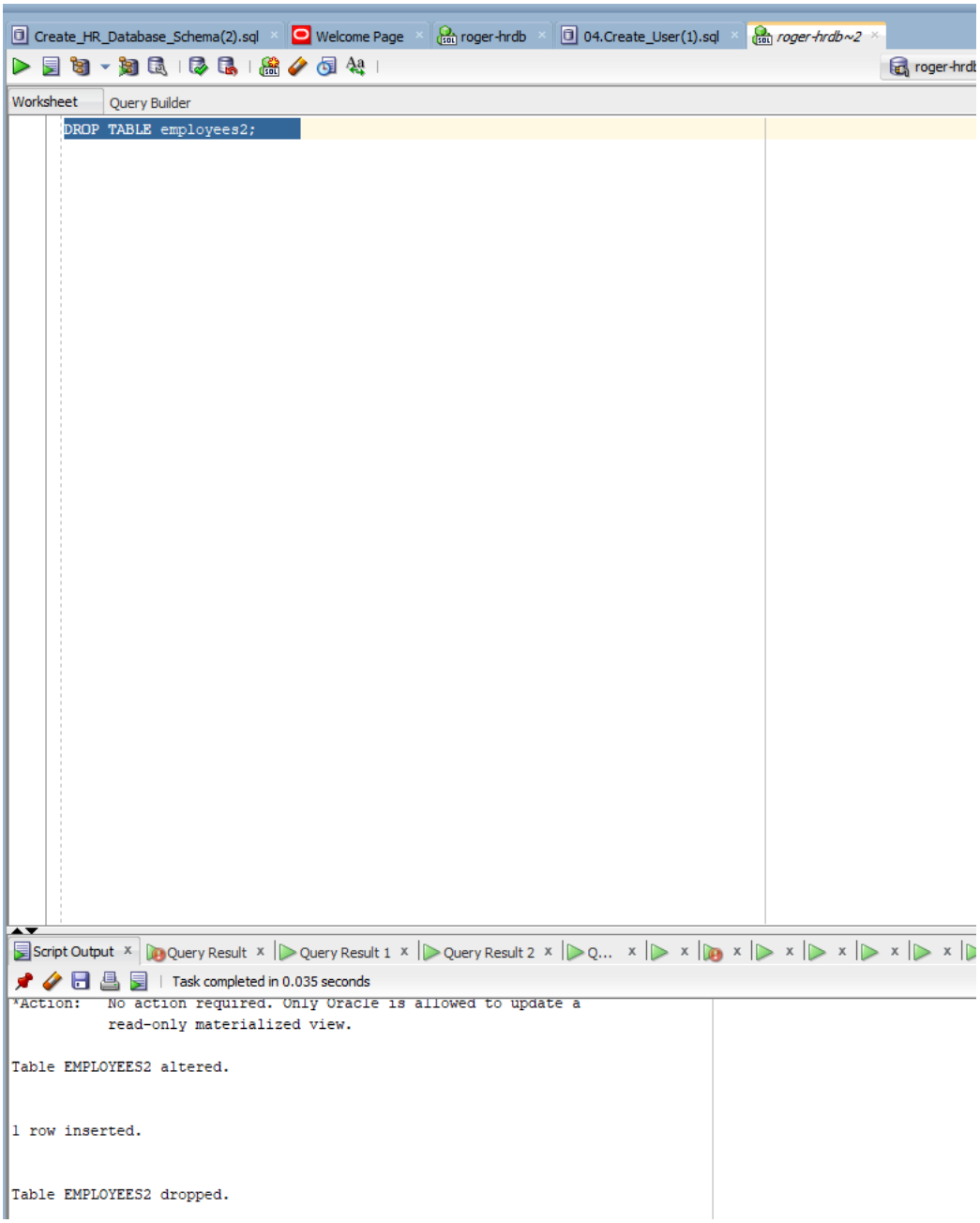
The SQL Developer output of oracle sql practice 11-7



Note: this screenshot shows that I've output the successful insert into the table after setting it read write again

Figure42

The SQL Developer output of oracle sql practice 11-8

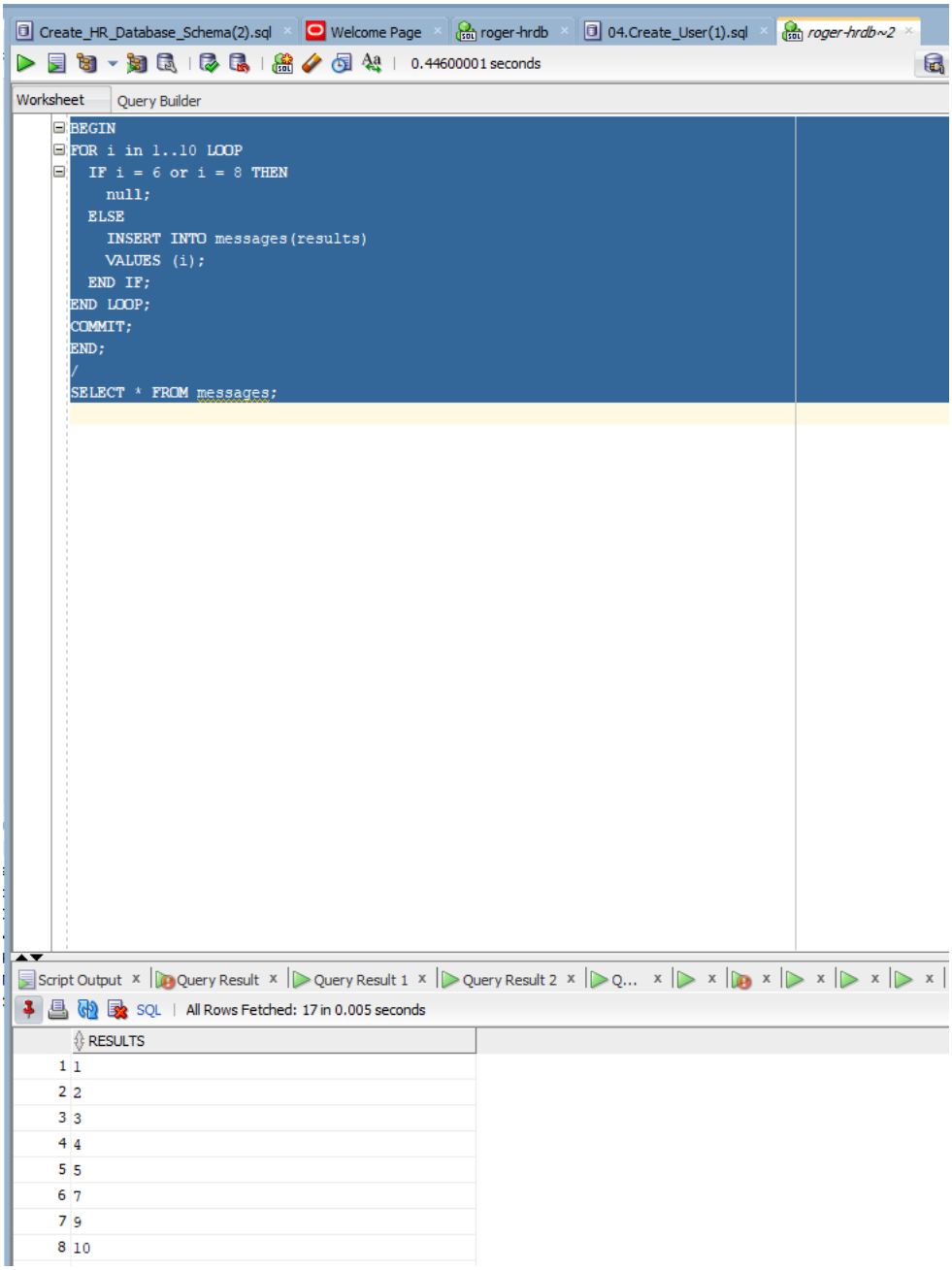


Note: this screenshot shows that I've output the successful drop of the table employee2

PL/SQL practice 6

Figure43

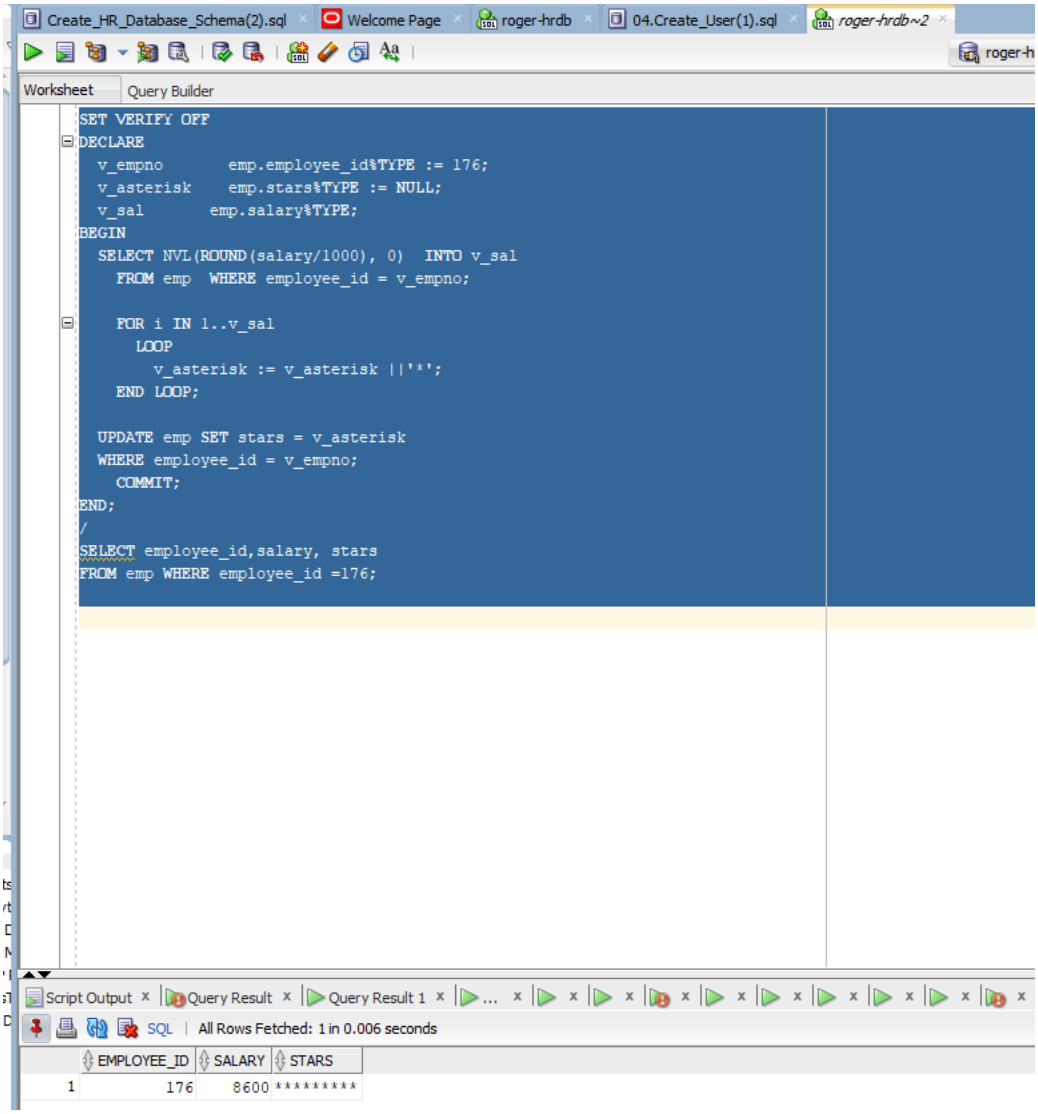
The SQL Developer output of pl/sql sql practice 6-1



Note: this screenshot shows that I've output the required number from 1-10 except 6,8

Figure44

The SQL Developer output of pl/sql sql practice 6-2

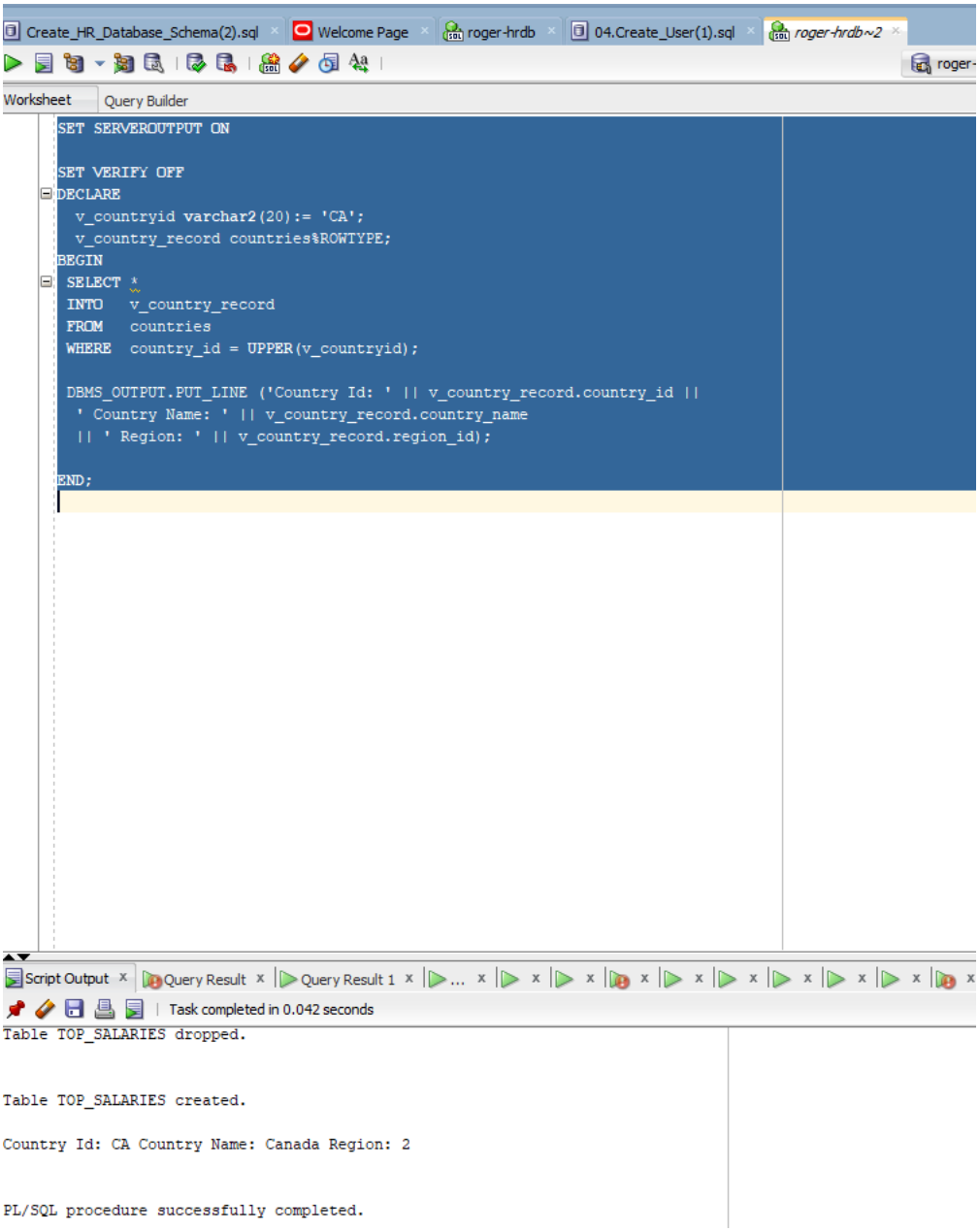


Note: this screenshot shows that I've output the employee id, salary and starts

PL/SQL practice 7

Figure45

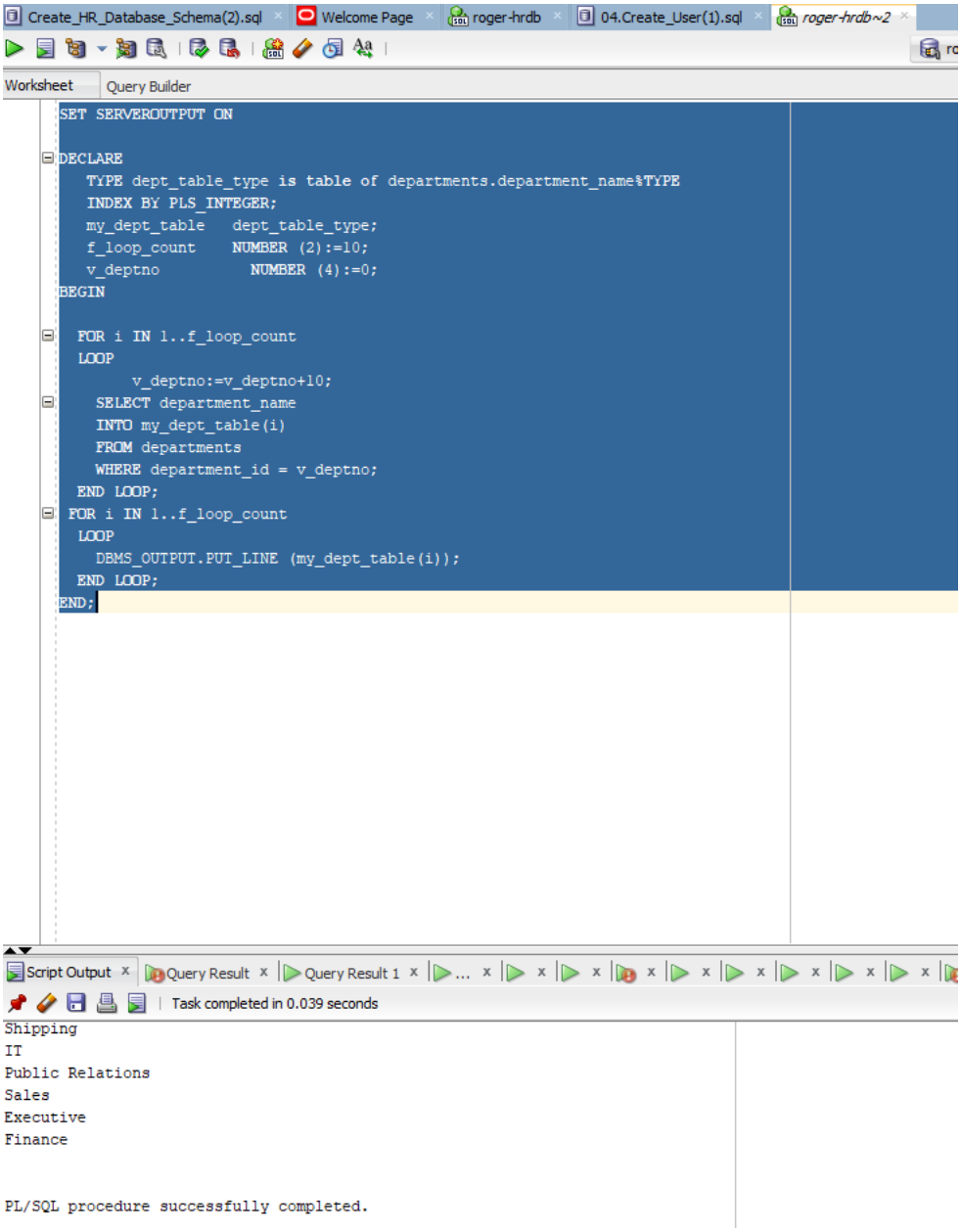
The SQL Developer output of pl/sql sql practice 7-1



Note: this screenshot shows that I've output the required country information

Figure46

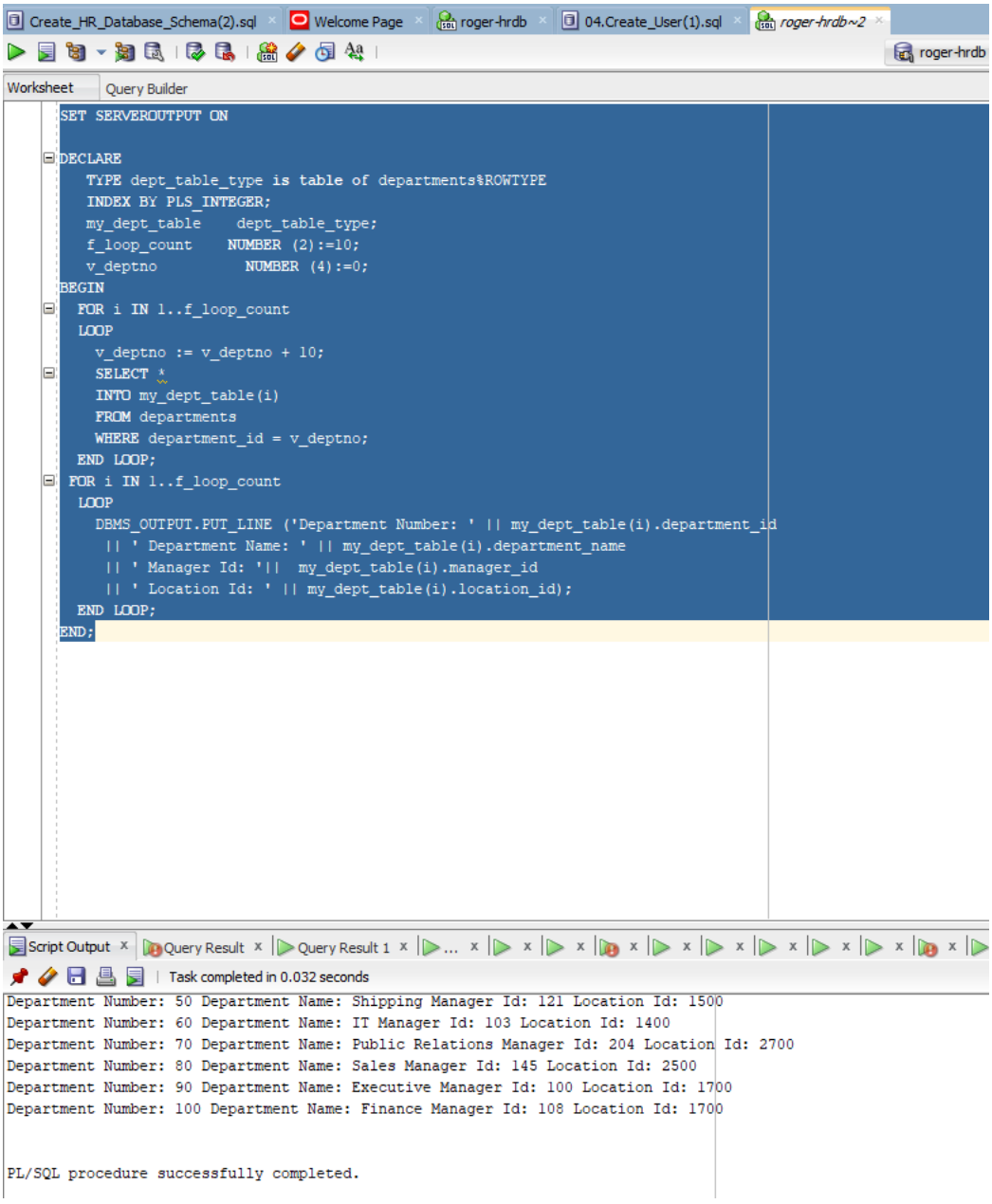
The SQL Developer output of pl/sql sql practice 7-2



Note: this screenshot shows that I've output the required country information

Figure47

The SQL Developer output of pl/sql sql practice 7-3

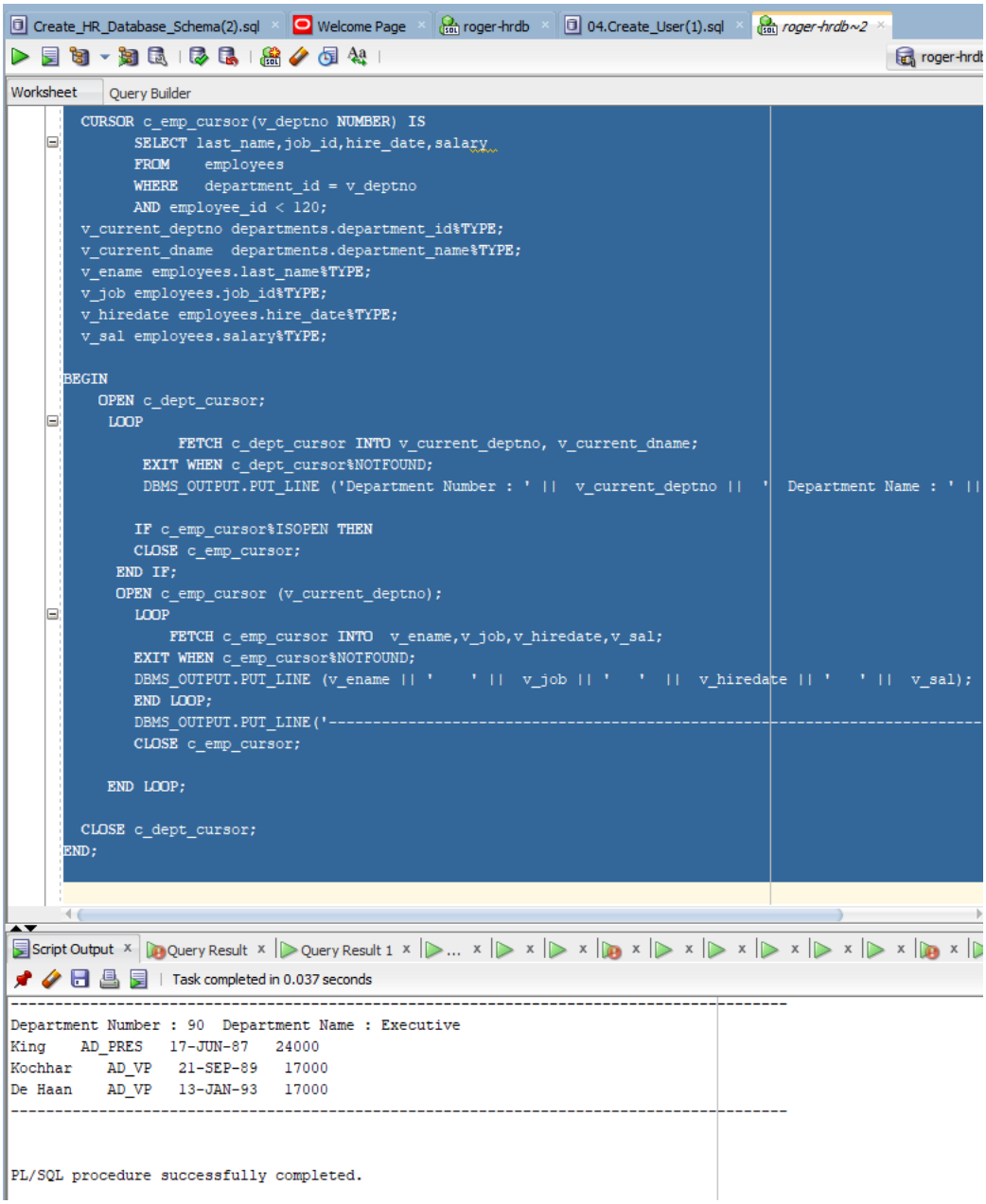


Note: this screenshot shows that I've output the required department information

PL/SQL practice 8

Figure48

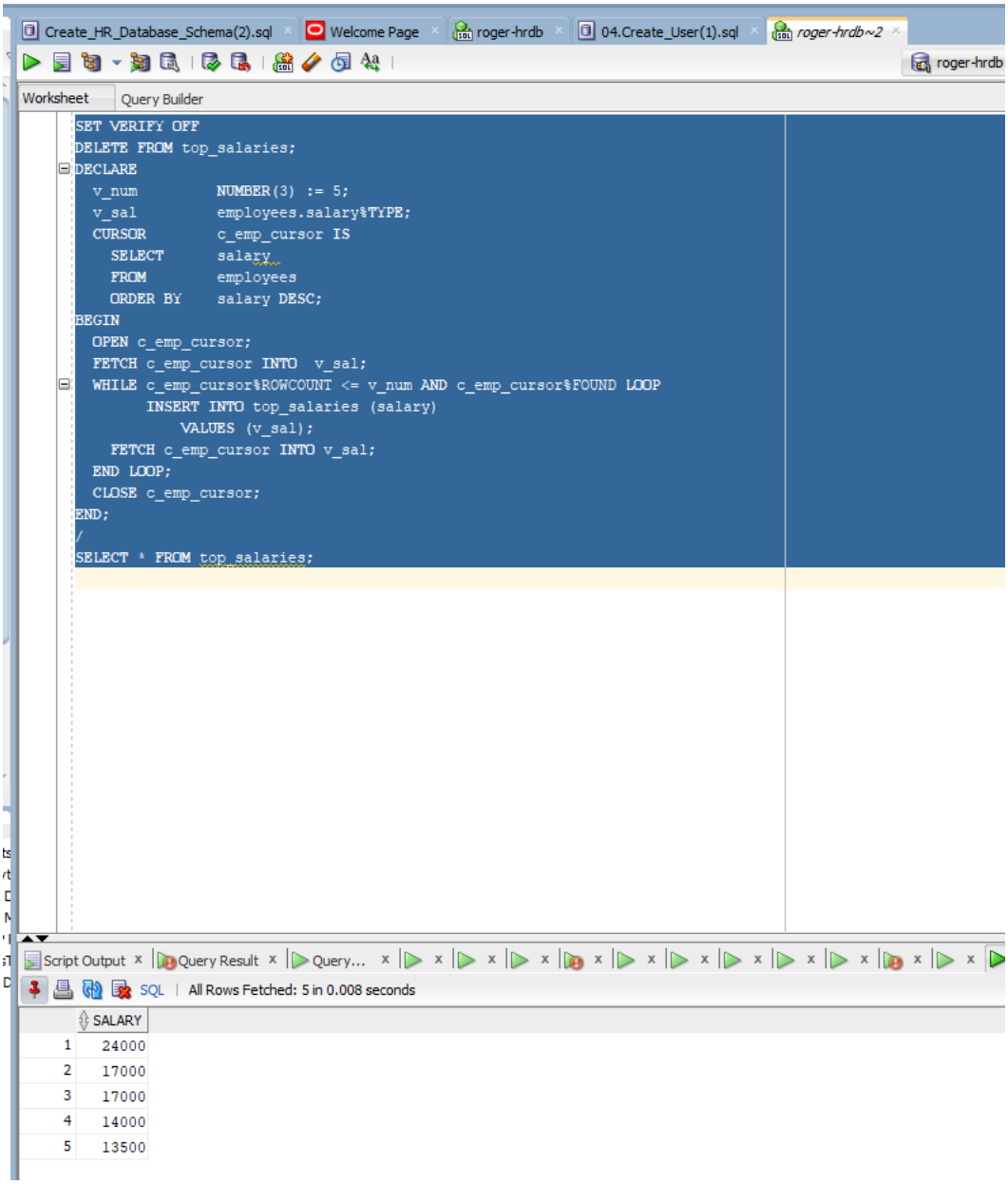
The SQL Developer output of pl/sql sql practice 8-1



Note: this screenshot shows that I've output the required department information

Figure49

The SQL Developer output of pl/sql sql practice 8-2

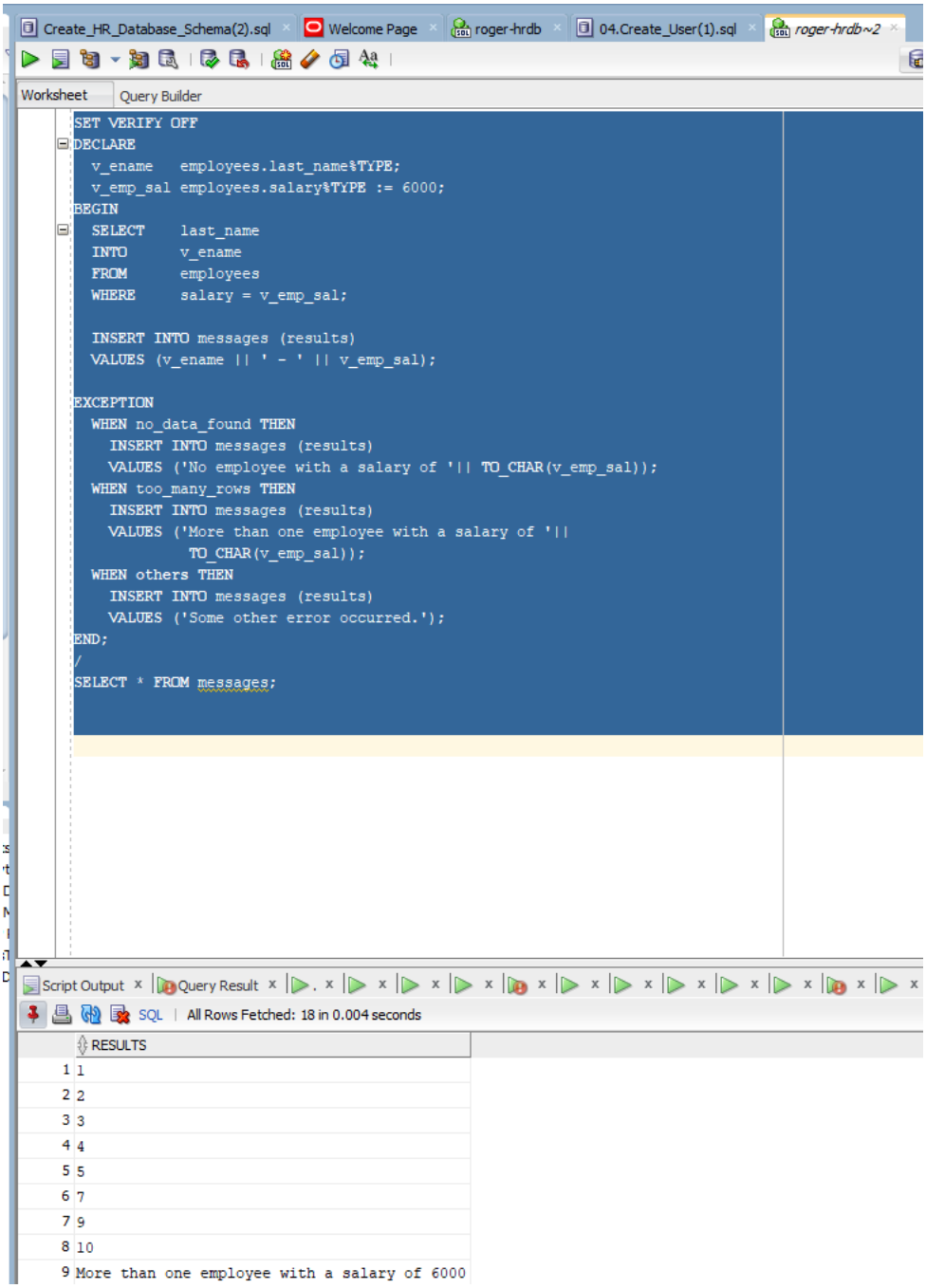


Note: this screenshot shows that I've output the required top salary

PL/SQL practice 9

Figure50

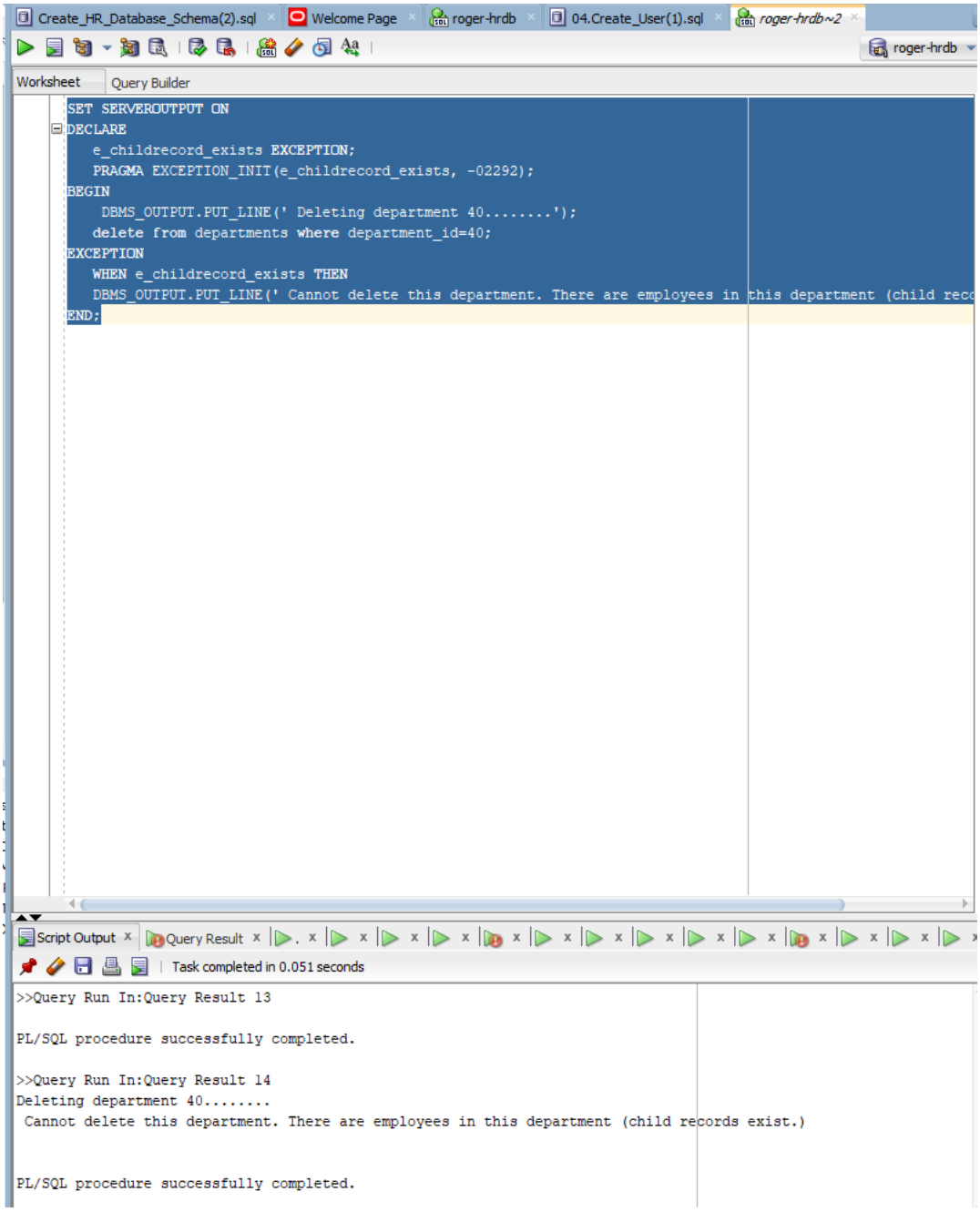
The SQL Developer output of pl/sql sql practice 9-1



Note: this screenshot shows that I've output the required exception

Figure51

The SQL Developer output of pl/sql sql practice 9-2

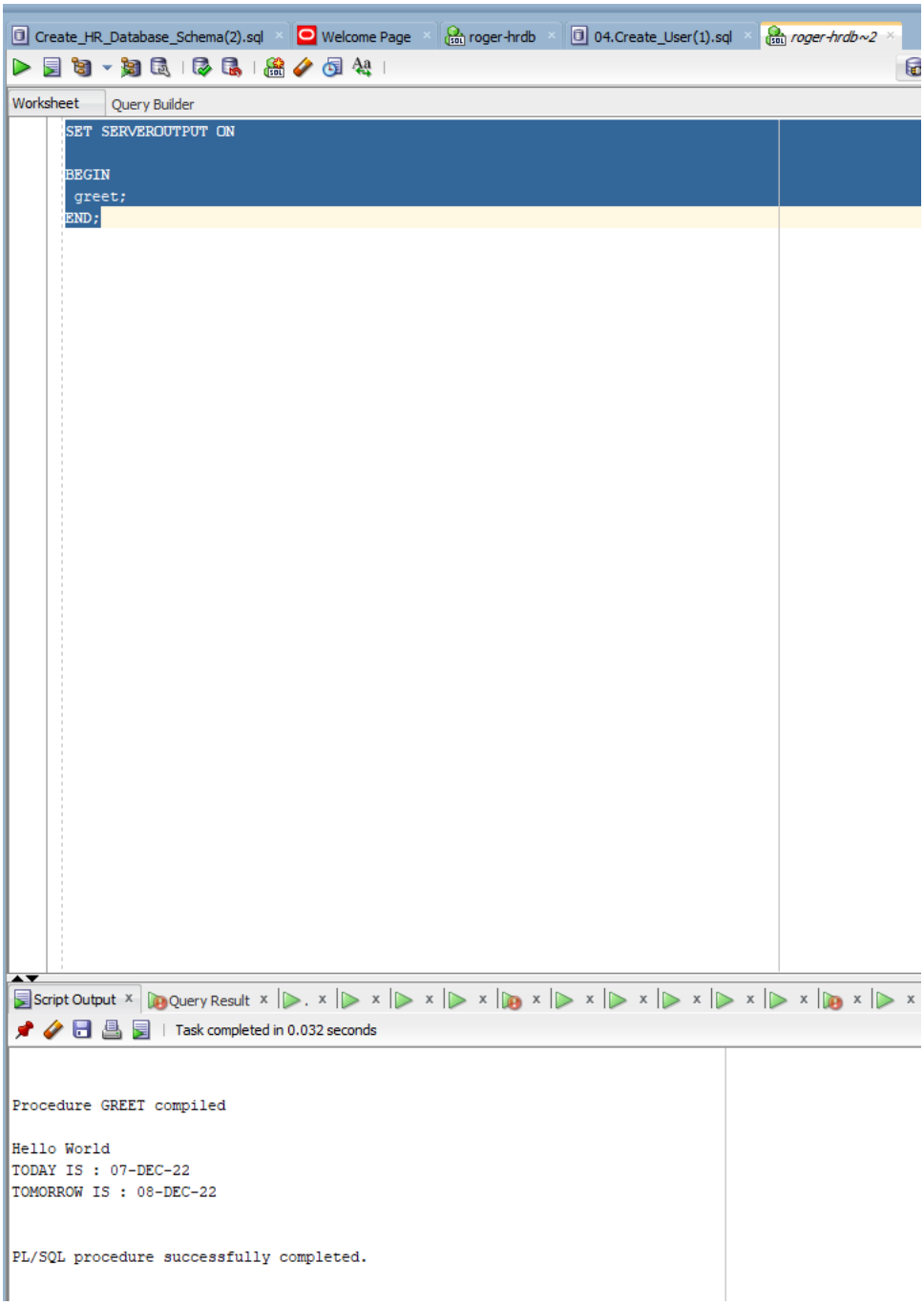


Note: this screenshot shows that I've output the department can't be deleted because it has a child table

PL/SQL practice 10

Figure52

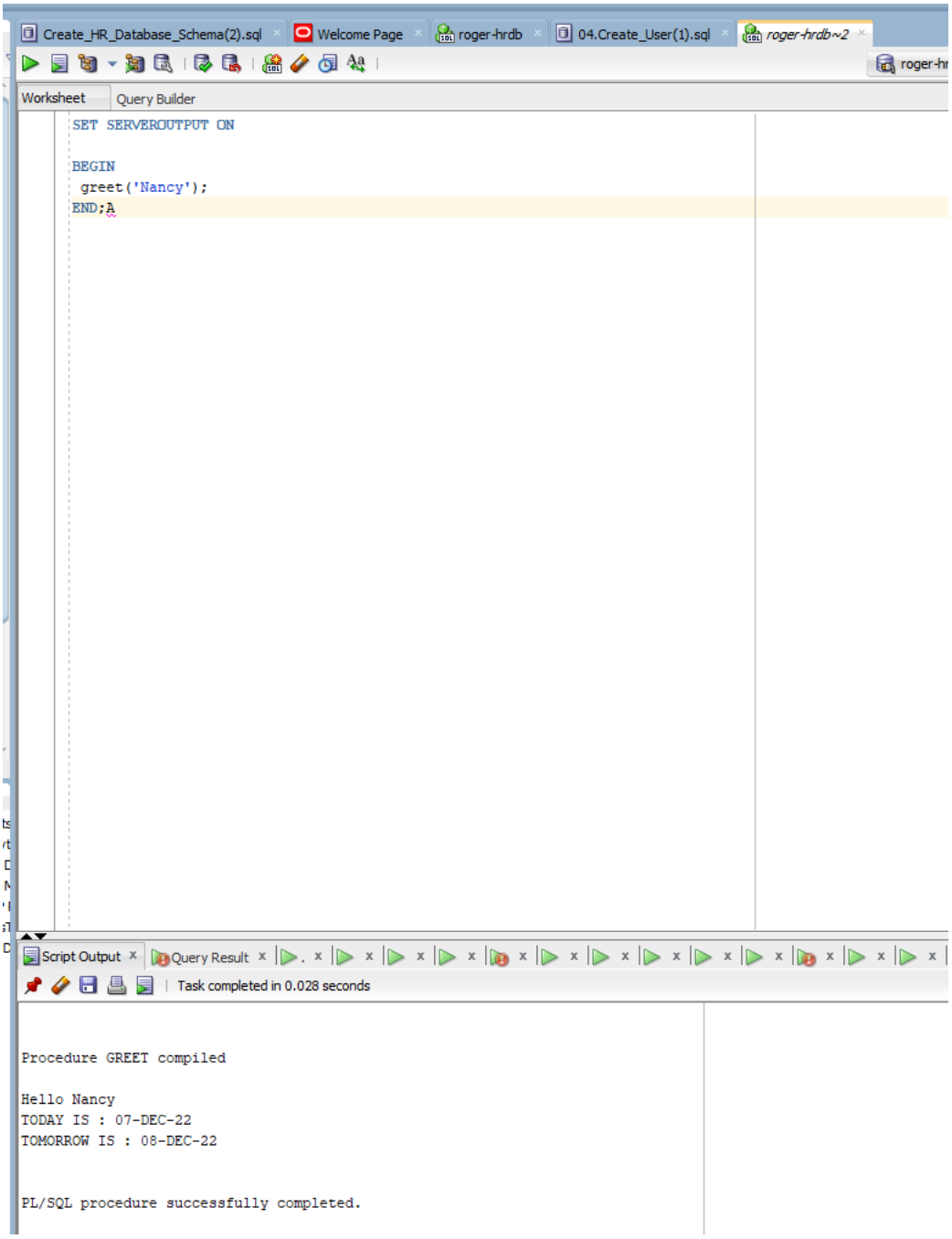
The SQL Developer output of pl/sql sql practice 10-1



Note: this screenshot shows that I've created the greet procedure and output the greet message

Figure53

The SQL Developer output of pl/sql sql practice 10-2



Note: this screenshot shows that I've recreated the greet procedure and output the greet message for nancy