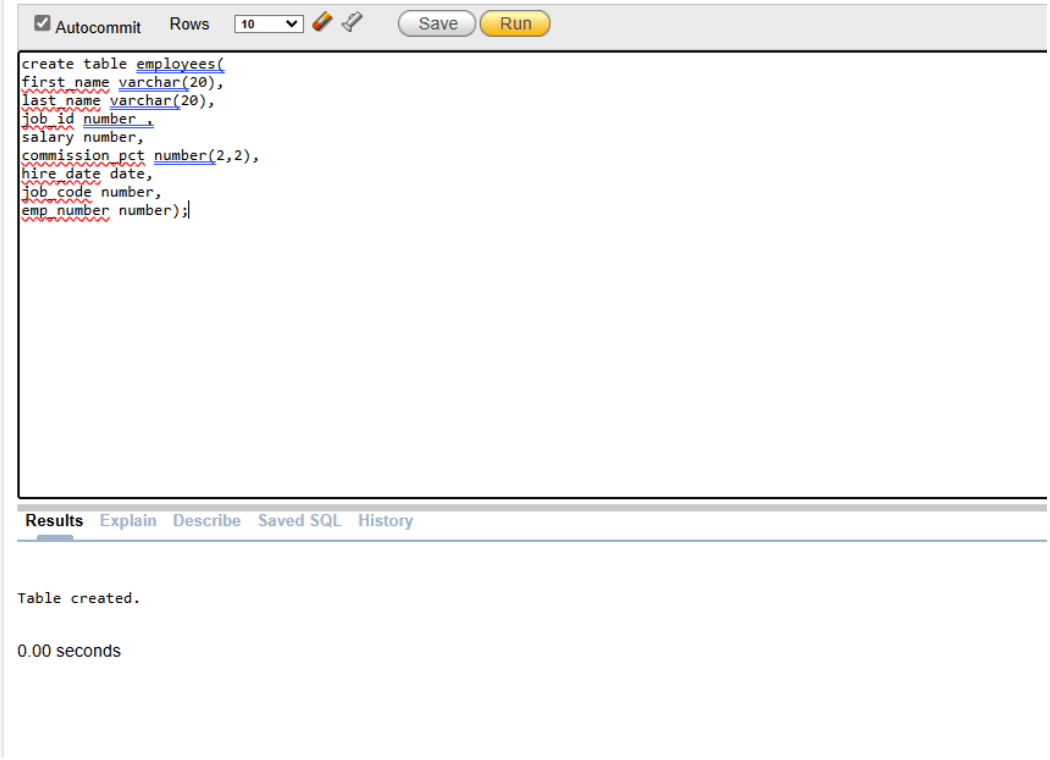
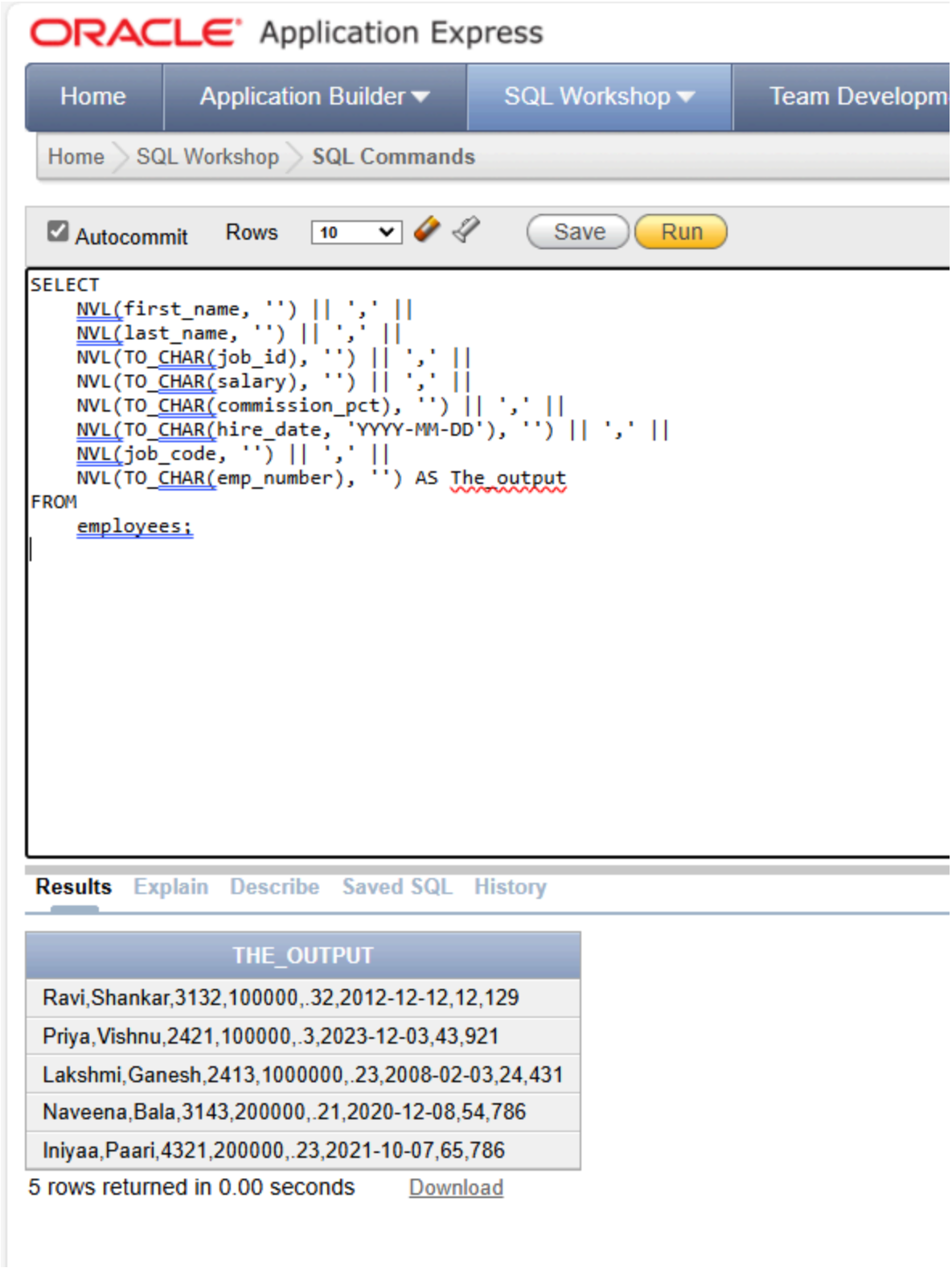
DBMS EX-3: Writing basic SQL select statements




ORACLE Application Express
Home
Application Builder
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Team Developm
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SQL Commands
Autocommit
Rows
10
Save
Run
SELECT
NVL(first_name, '') || ',' ||
NVL(last_name, '') || ',' ||
NVL(TO_CHAR(job_id), '') || ',' ||
NVL(TO_CHAR(salary), '') || ',' ||
NVL(TO_CHAR(commission_pct), '') || ',' ||
NVL(TO_CHAR(hire_date, 'YYYY-MM-DD'), '') || ',' ||
NVL(job_code, '') || ',' ||
NVL(TO_CHAR(emp_number), '') AS The_output
FROM
employees;
Results
Explain
Describe
Saved SQL
History
THE_OUTPUT
Ravi,Shankar,3132,100000,.32,2012-12-12,12,129
Priya,Vishnu,2421,100000,.3,2023-12-03,43,921
Lakshmi,Ganesh,2413,1000000,.23,2008-02-03,24,431
Naveena,Bala,3143,200000,.21,2020-12-08,54,786
Iniyaa,Paari,4321,200000,.23,2021-10-07,65,786
5 rows returned in 0.00 seconds
Download

Autocommit Rows 10 Save Run

```
desc employees;
```

Results Explain **Describe** Saved SQL History

Object Type **TABLE** Object **EMPLOYEES**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEES	FIRST_NAME	VARCHAR2	20	-	-	-	✓	-	-
	LAST_NAME	VARCHAR2	20	-	-	-	✓	-	-
	JOB_ID	VARCHAR2	5	-	-	-	✓	-	-
	SALARY	NUMBER	22	-	-	-	✓	-	-
	COMMISSION_PCT	NUMBER	-	2	2	-	✓	-	-
	HIRE_DATE	DATE	7	-	-	-	✓	-	-
	JOB_CODE	NUMBER	22	-	-	-	✓	-	-
	EMP_NUMBER	NUMBER	22	-	-	-	✓	-	-

1 - 8

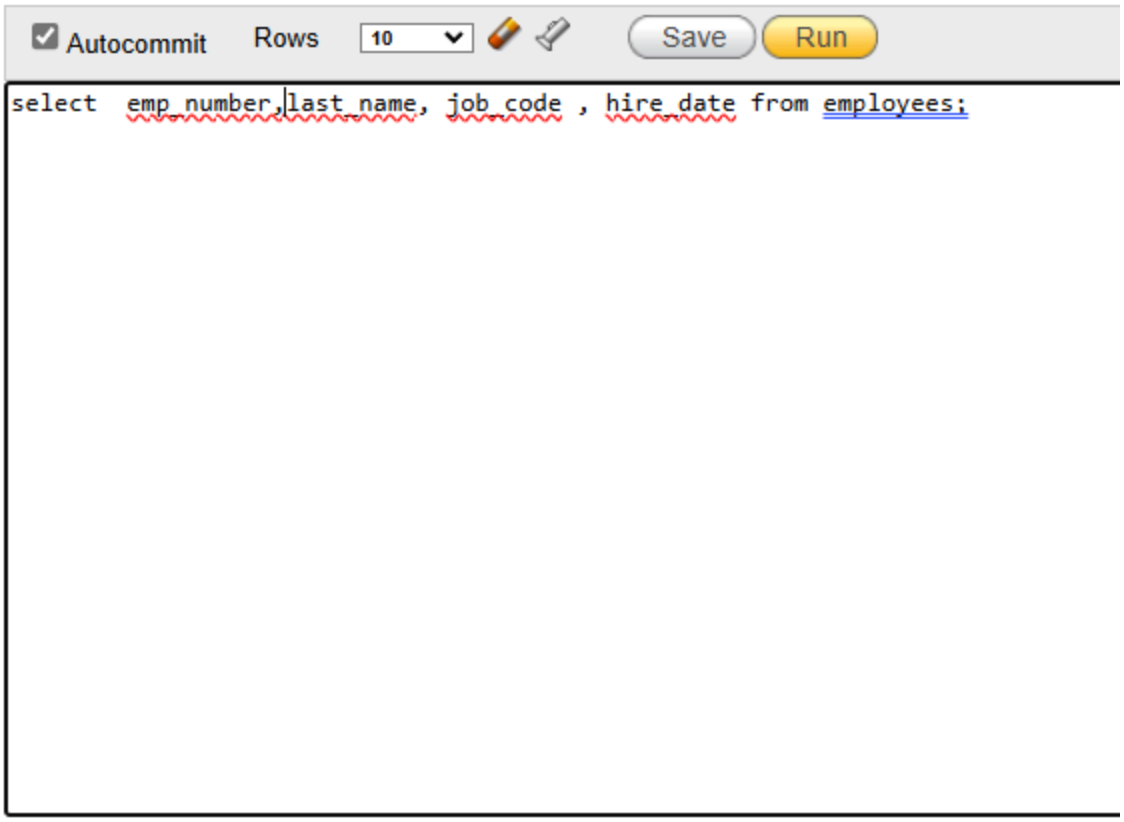
Autocommit Rows 10 Save Run

```
select * from employees;
```

Results Explain Describe Saved SQL History

FIRST_NAME	LAST_NAME	JOB_ID	SALARY	COMMISSION_PCT	HIRE_DATE	JOB_CODE	EMP_NUMBER
Ravi	Shankar	3132	100000	.32	12/12/2012	12	129
Priya	Vishnu	2421	100000	.3	12/03/2023	43	921
Lakshmi	Ganesh	2413	1000000	.23	02/03/2008	24	431
Naveena	Bala	3143	200000	.21	12/08/2020	54	786
Iniyaa	Paari	4321	200000	.23	10/07/2021	65	786

5 rows returned in 0.01 seconds Download



EMP_NUMBER	LAST_NAME	JOB_CODE	HIRE_DATE
129	Shankar	12	12/12/2012
921	Vishnu	43	12/03/2023
431	Ganesh	24	02/03/2008
786	Bala	54	12/08/2020
786	Paari	65	10/07/2021

5 rows returned in 0.00 seconds Download

```
select hire_date as startdate from employees;
```

Results Explain Describe Saved SQL History

STARTDATE
12/12/2012
12/03/2023
02/03/2008
12/08/2020
10/07/2021

5 rows returned in 0.00 seconds Download

```
select distinct job_code from employees;
```

Results Explain Describe Saved SQL History

JOB_CODE
43
54
24
12
65

5 rows returned in 0.00 seconds Download

Autocommit Rows 10 Save Run

```
select last_name||', '||job_id as "employee_title" from employees;
```

Results Explain Describe Saved SQL History

employee_title
Shankar, 3132
Vishnu, 2421
Ganesh, 2413
Bala, 3143
Paari, 4321

5 rows returned in 0.00 seconds Download