



DBMS EX-3: Writing basic SQL select statements

☒ Autocommit Rows 10   Save Run

```
create table employees(  
first_name varchar(20),  
last_name varchar(20),  
job_id number,  
salary number,  
commission_pct number(2,2),  
hire_date date,  
job_code number,  
emp_number number);|
```

Results Explain Describe Saved SQL History

Table created.

0.00 seconds

ORACLE Application Express



Home

Application Builder ▼

SQL Workshop ▼

Team Development

Home > SQL Workshop > SQL Commands

☒ Autocommit Rows  

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
<u>EMPLOYEES</u>	<u>FIRST_NAME</u>	VARCHAR2	20	-	-	-	✓	-	-
	<u>LAST_NAME</u>	VARCHAR2	20	-	-	-	✓	-	-
	<u>JOB_ID</u>	VARCHAR2	5	-	-	-	✓	-	-
	<u>SALARY</u>	NUMBER	22	-	-	-	✓	-	-
	<u>COMMISSION_PCT</u>	NUMBER	-	2	2	-	✓	-	-
	<u>HIRE_DATE</u>	DATE	7	-	-	-	✓	-	-
	<u>JOB_CODE</u>	NUMBER	22	-	-	-	✓	-	-
	<u>EMP_NUMBER</u>	NUMBER	22	-	-	-	✓	-	-

1 - 8



☒ Autocommit Rows   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](#)

☒ Autocommit Rows   Save Run

```
select emp_number, last_name, job_code , hire_date from employees;
```

Results Explain Describe Saved SQL History

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   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](#)