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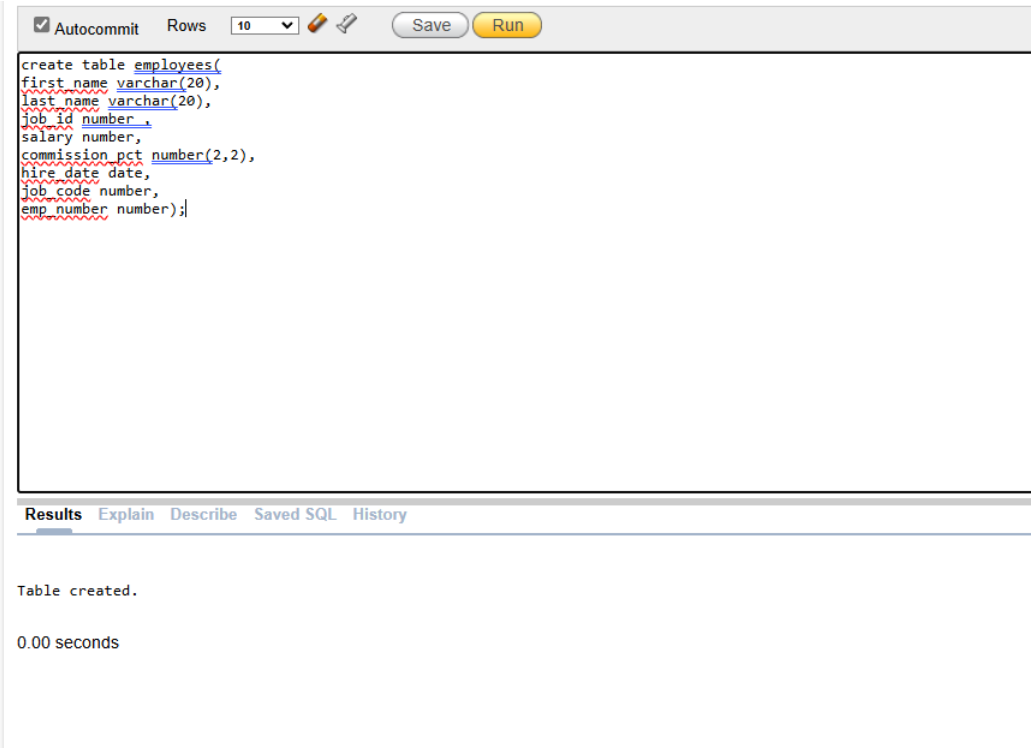
DBMS

EX-3: Writing basic SQL selectstatements



1. Show the structure of departments the table. Select all the data from it.

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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

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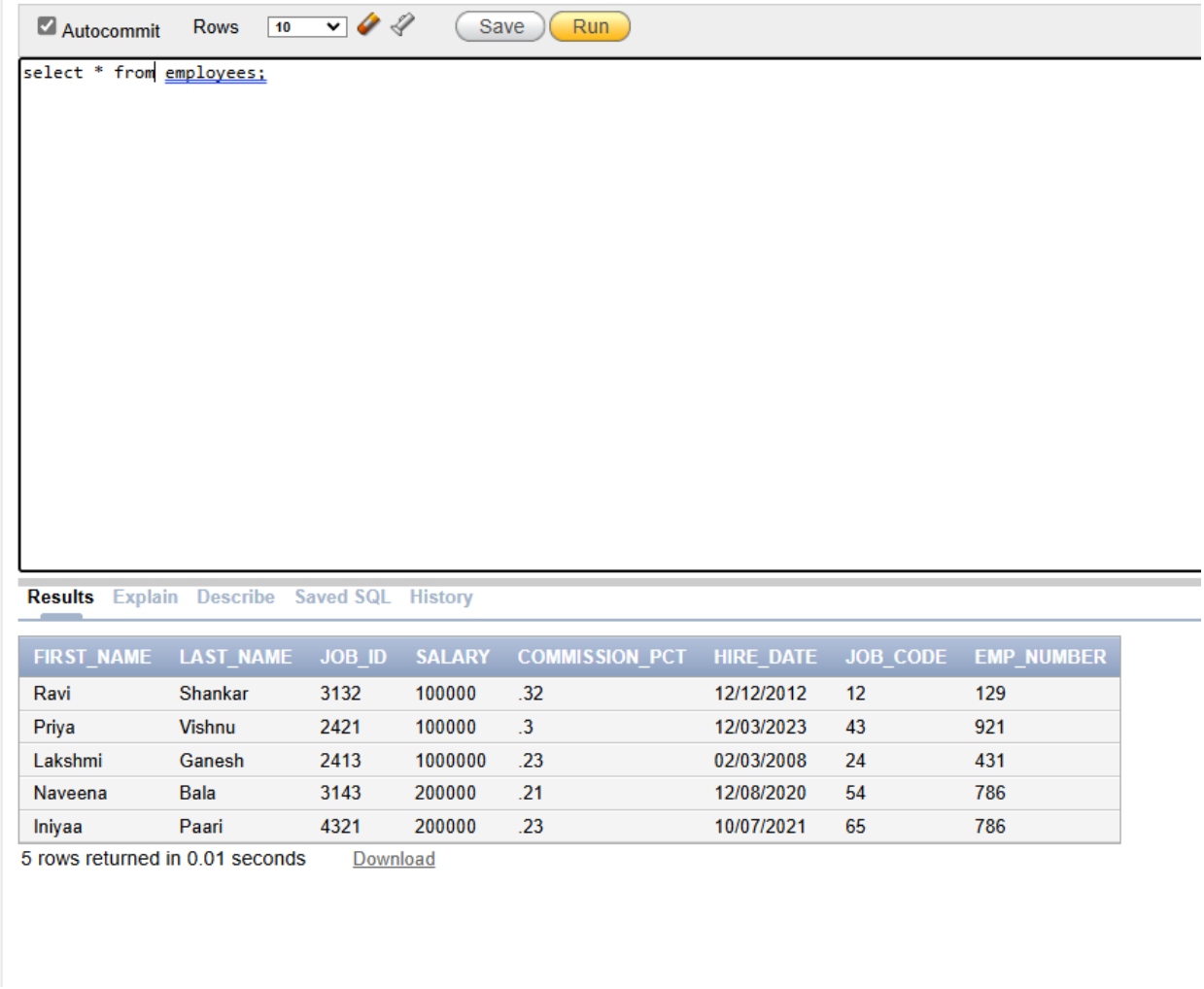

FIRST_NAME	LAST_NAME	JOB_ID	SALARY	COMMISSION_PCT	HIRE_DATE	JOB_CODE	EMP_NUMBER
Ravi	Shankar	3132	100000	.32	12/12/2012	12	129
Priya	Vishnu	2421	100000	.3	12/03/2023	43	921
Lakshmi	Ganesh	2413	1000000	.23	02/03/2008	24	431
Naveena	Bala	3143	200000	.21	12/08/2020	54	786
Iniyaa	Paari	4321	200000	.23	10/07/2021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

5 rows returned in 0.01 seconds Download

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2. Create a query to display the last name, job code, hire date, and employee number foreach employee, with employee number appearing first.

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Autocommit Rows 10 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

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3. Provide an alias STARTDATE for the hire date.

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```
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

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4. Create a query to display unique job codes from the employee table.

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

Results Explain Describe Saved SQL History

JOB_CODE
43
54
24
12
65

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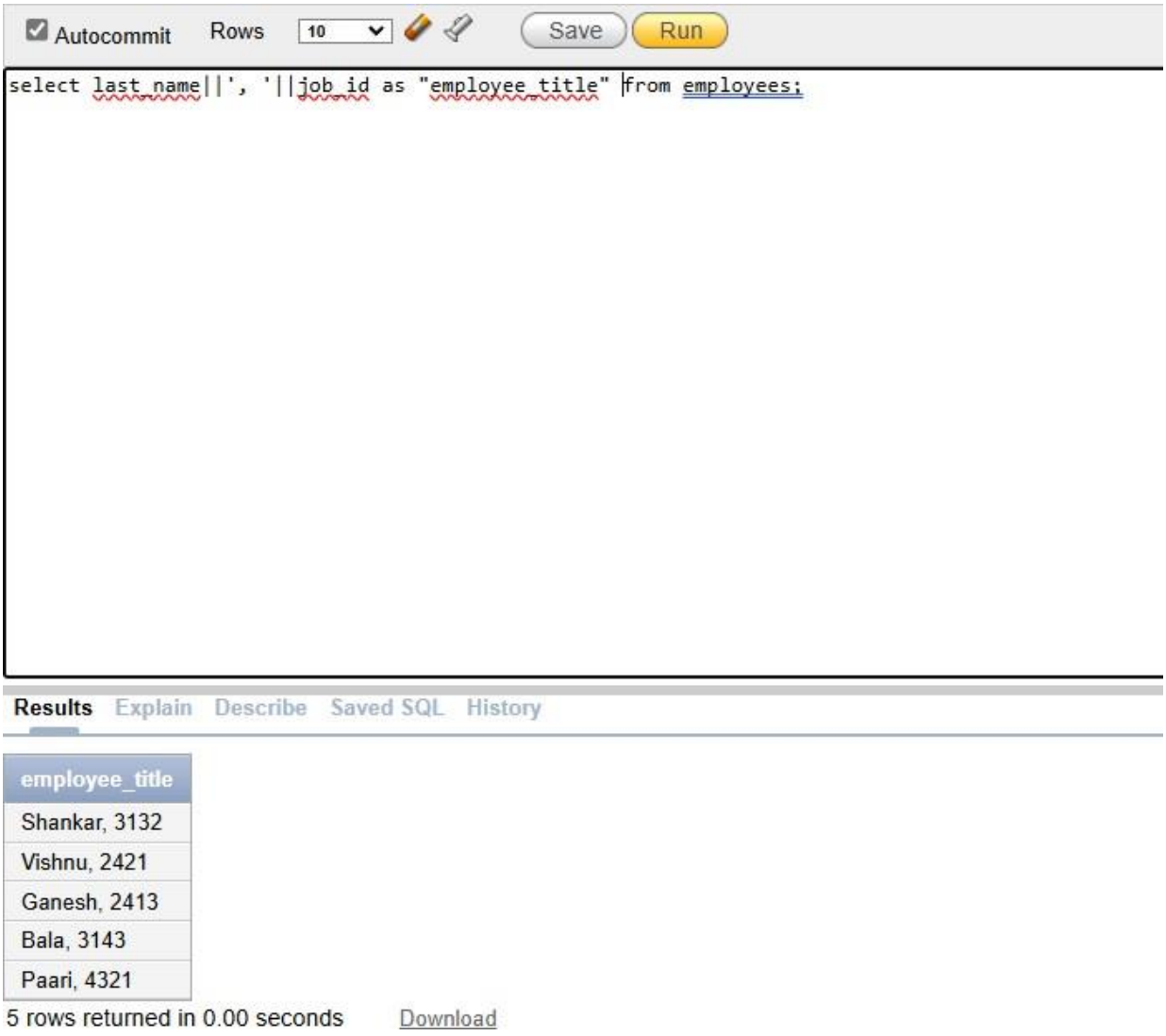
5. Display the last name concatenated with the job ID , separated by a comma and space,and name the column EMPLOYEE and TITLE.



6. Create a query to display all the data from the employees table. Separate each column bya comma. Name the column THE_OUTPUT.

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```
select emp_id||', '||first_name ||', '||last_name||', '||job_code||', '||hire_date||', '||salary as "The
```

Results Explain Describe Saved SQL History

The_Output
45 , Jay , Ganesh , 54 , 09/18/2016 , 35000
35 , Kartick , R , 54 , 04/21/2015 , 55000
31 , Mohamad , Arsath , 32 , 01/05/2015 , 72000
20 , Janit , B , 6 , 04/20/2015 , 85000
59 , Arun , Bharathi , 7 , 07/07/2017 , 25000

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