

1. The following statement executes successfully.

### Identify the Errors

```
SELECT employee_id, last_name
```

```
sal*12 ANNUAL SALARY
```

```
FROM employees;
```

### Queries

Language: SQL Rows: 10 Clear Command Find Tables

```
1 SELECT employee_id, last_name, salary*12 AS ANNUAL_SALARY
2 FROM employees;
3
```

Results Explain Describe Saved SQL History

EMPLOYEE_ID	LAST_NAME	ANNUAL_SALARY
1002	Doe	720000
1001	Doe	720000

2 rows returned in 0.01 seconds Download

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

Language: SQL Rows: 10 Clear Command Find Tables

```
1 DESC departments;
2
```

Results Explain Describe Saved SQL History

Object Type: TABLE Object: DEPARTMENTS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPARTMENTS	DEPARTMENT_ID	NUMBER	22	-	0	1	-	-	-
	DEPARTMENT_NAME	VARCHAR2	100	-	-	-	✓	-	-
	LOCATION_ID	NUMBER	22	-	0	-	✓	-	-

Language: SQL Rows: 10 Clear Command Find Tables

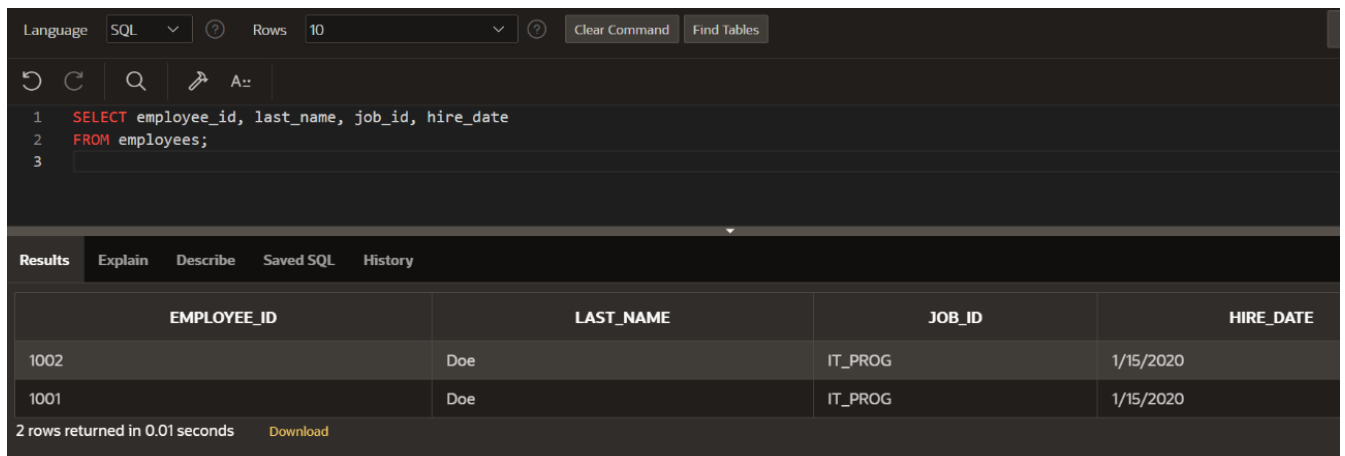
```
1 SELECT * FROM departments;
2
```

Results Explain Describe Saved SQL History

DEPARTMENT_ID	DEPARTMENT_NAME	LOCATION_ID
10	IT	101
20	Human Resources	102
30	Finance	103

3 rows returned in 0.02 seconds Download

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



The screenshot shows a SQL IDE interface. At the top, there's a toolbar with 'Language' set to 'SQL', 'Rows' set to '10', and buttons for 'Clear Command' and 'Find Tables'. Below the toolbar is a command area with a SQL query:

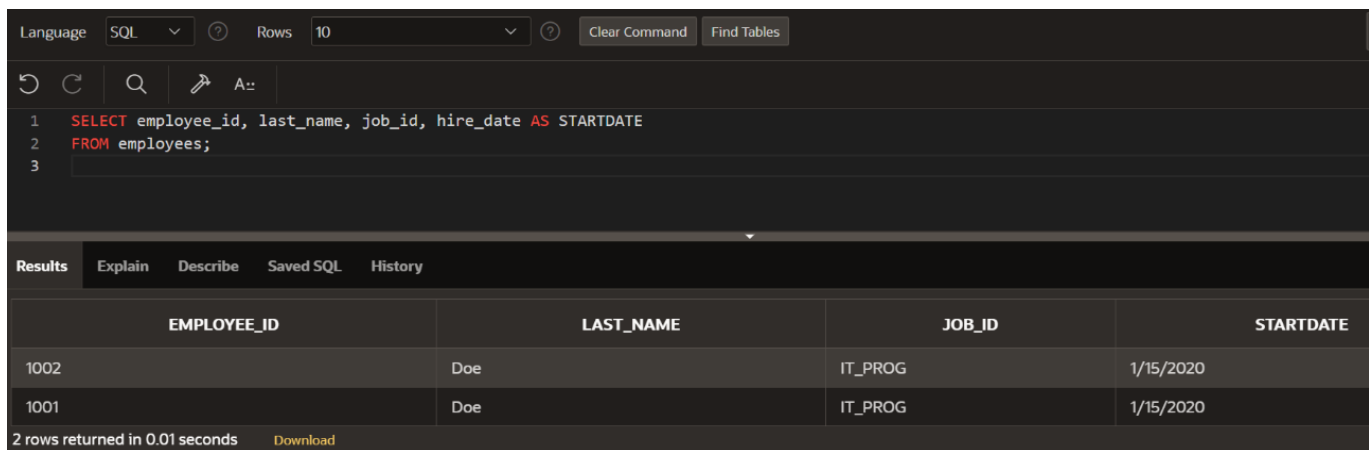
```
1 SELECT employee_id, last_name, job_id, hire_date
2 FROM employees;
3
```

Below the command area is a results section with tabs for 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is active, showing a table with the following data:

EMPLOYEE_ID	LAST_NAME	JOB_ID	HIRE_DATE
1002	Doe	IT_PROG	1/15/2020
1001	Doe	IT_PROG	1/15/2020

At the bottom of the results section, it says '2 rows returned in 0.01 seconds' and there is a 'Download' button.

4. Provide an alias STARTDATE for the hire date.



The screenshot shows a SQL IDE interface. At the top, there's a toolbar with 'Language' set to 'SQL', 'Rows' set to '10', and buttons for 'Clear Command' and 'Find Tables'. Below the toolbar is a command area with a SQL query:

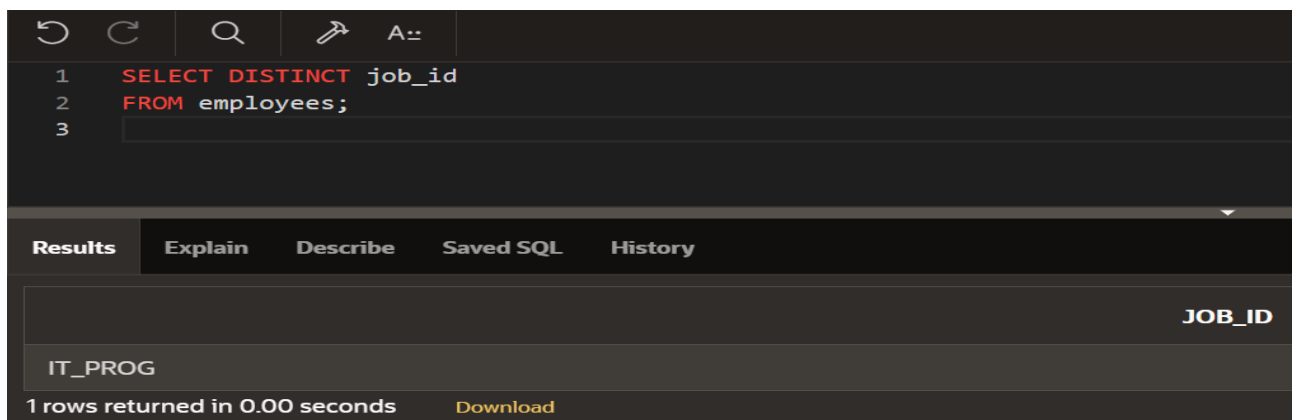
```
1 SELECT employee_id, last_name, job_id, hire_date AS STARTDATE
2 FROM employees;
3
```

Below the command area is a results section with tabs for 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is active, showing a table with the following data:

EMPLOYEE_ID	LAST_NAME	JOB_ID	STARTDATE
1002	Doe	IT_PROG	1/15/2020
1001	Doe	IT_PROG	1/15/2020

At the bottom of the results section, it says '2 rows returned in 0.01 seconds' and there is a 'Download' button.

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



The screenshot shows a SQL IDE interface. At the top, there's a toolbar with 'Language' set to 'SQL', 'Rows' set to '10', and buttons for 'Clear Command' and 'Find Tables'. Below the toolbar is a command area with a SQL query:

```
1 SELECT DISTINCT job_id
2 FROM employees;
3
```

Below the command area is a results section with tabs for 'Results', 'Explain', 'Describe', 'Saved SQL', and 'History'. The 'Results' tab is active, showing a table with the following data:

JOB_ID
IT_PROG

At the bottom of the results section, it says '1 rows returned in 0.00 seconds' and there is a 'Download' button.

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

Language: SQL ? Rows: 10 ? Clear Command Find Tables

```

1 SELECT last_name || ', ' || job_id AS "EMPLOYEE AND TITLE"
2 FROM employees;
3

```

Results Explain Describe Saved SQL History

**EMPLOYEE AND TITLE**

Doe, IT_PROG
Doe, IT_PROG

2 rows returned in 0.01 seconds Download

7. Create a query to display all the data from the employees table. Separate each column by a comma. Name the column THE\_OUTPUT.

Language: SQL ? Rows: 10 ? Clear Command Find Tables

```

1 SELECT employee_id || ',' ||
2        first_name || ',' ||
3        last_name || ',' ||
4        email || ',' ||
5        phone_number || ',' ||
6        hire_date || ',' ||
7        job_id || ',' ||
8        salary || ',' ||
9        commission_pct || ',' ||
10       manager_id || ',' ||
11       department_id AS THE_OUTPUT
12 FROM employees;
13

```

Results Explain Describe Saved SQL History

**THE\_OUTPUT**

1002,Khan,Doe,Khan.doe@example.com,2234567890,1/15/2020,IT_PROG,60000,1,1000,10
1001,John,Doe,John.doe@example.com,1234567890,1/15/2020,IT_PROG,60000,1,1000,10

2 rows returned in 0.01 seconds Download