**Lab Practice 1 – Database Systems**

**Practice Question 1**

Show the structure of the DEPARTMENTS table AND Select all data from the table.

**See output below**

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DESCRIBE departments

SELECT \*

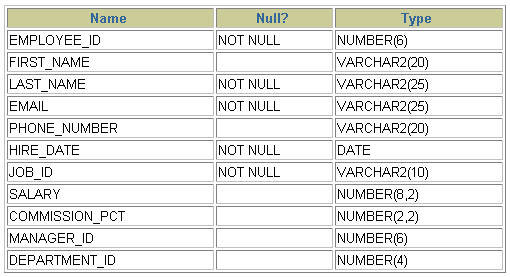
FROM departments;

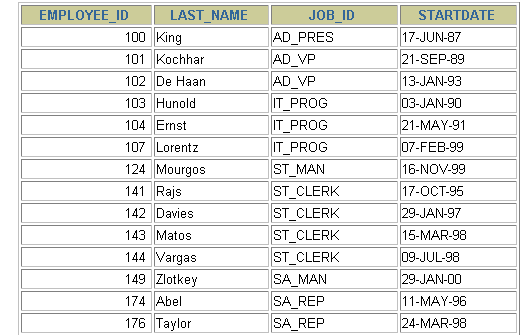
**Answer:**

**Practice Question 2**

1. Show the structure of the EMPLOYEES table.
2. Create a query to display the last name, job code, hire date, and employee number for each employee, with employee number appearing first. Provide an alias STARTDATE for the HIRE\_DATE column.

**See output below**





**Answer:**

**DESCRIBE employees**

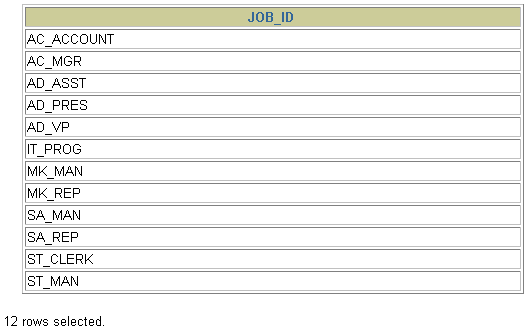
**SELECT employee\_id, last\_name, job\_id, hire\_date “ STARTDATE”**

**FROM employees;**

**Practice Question 3**

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

**See output below**



**Answer:**

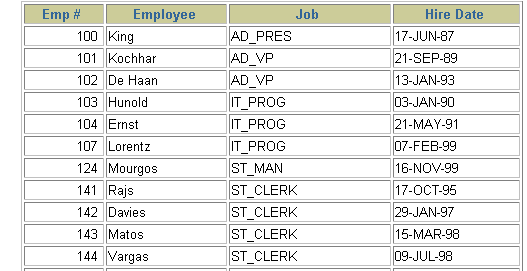
**SELECT DISTINCT job\_id**

**FROM employees;**

**Practice Question 4**

Show all employees data and show data under Column heading as Emp #, Employee, Job, and Hire Date, respectively.

**See output below**



**Answer:**

**SELECT employee\_id "Emp #", last\_name "Employee",**

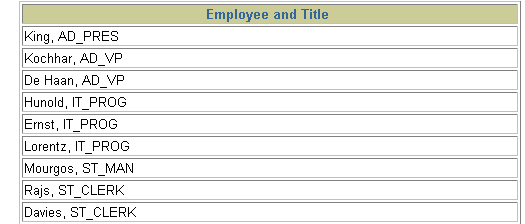
**job\_id "Job", hire\_date "Hire Date"**

**FROM employees;**

**Practice Question 5**

Display the last name concatenated with the job ID, separated by a comma and space, and name the column Employee and Title.

**See output below**



**Answer:**

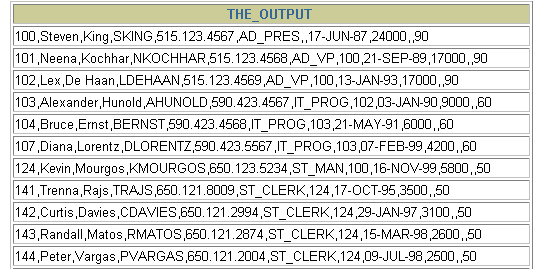
**SELECT last\_name||', '||job\_id "Employee and Title"**

**FROM employees;**

**Practice Question 6**

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

**See output below**



**Answers:**

**SELECT employee\_id || ',' || first\_name || ',' || last\_name**

**|| ',' || email || ',' || phone\_number || ','|| job\_ id**

**|| ',' || manager\_id || ',' || hire\_date || ',' ||**

**salary || ',' || commission\_pct || ',' || department \_id**

**THE\_OUTPUT**

**FROM employees;**