Practice Exercises#1 mysql:

**You have been hired a mysql programmer for Acme Corporations: Your first task is to create some reports based on data from the HR tables.**

1. Your first task is to determine the structure of the DEPARTMENTS table and its contents. **Solution:** **describe departments;**
2. You need to determine the structure of the EMPLOYEES table. **Solution: describe employees;**
3. The HR department wants a query to display the last\_name, job\_code, hire\_date and employee\_number for each employee number. Provide an alias START\_DATE for the HIRE\_DATE column. **Solution: select last\_name,job\_id,hire\_date AS START\_DATE,employee\_id from employees;**
4. The HR department needs a query to display all unique job codes from the EMPLOYEES table. **Solution: select distinct job\_id from employees;**
5. Due to budget issues, the HR department needs a report that displays the last name and salary of employees earning more than $12,000. **Solution: select last\_name,salary from employees where salary>12000;**
6. Create a report that displays the last name and employee number for employee number 176. **Solution: select last\_name,employee\_id from employees WHERE employee\_id = 176;**
7. The HR department needs to find high-salary and low-salary employees. Run a query to display the last name and salary for all employees whose salary is not in the range $5,000 and $12,000. **Solution: select last\_name,salary from employees where salary NOT BETWEEN 5000 and 12000;**
8. Create a report to display the last name, job id and start date for the employees with the last names of Matos and Taylor. Order the query in ascending order by start date. **Solution: select last\_name,job\_id,hire\_date from employees where last\_name IN('Matos','Taylor') order by hire\_date ASC;**
9. Display the last name and department number of all employees in departments 20 or 50 in ascending alphabetical order by name. **Solution:**
10. List the last name and salary of employees who earn between $5,000 and $12,000 and are in department 20 or 50. Label the columns Employee, Monthly Salary respectively. **Solution:**
11. The HR department needs a report that displays the last name and hire date for all employees who were hired in 1998. **Solution:**
12. Create a report to display the last name and job title of all employees who do not have a manager. **Solution:**
13. Display the last name of all employees who have both an *a* and *e* in their last name. **Solution:**
14. Display the last name, job and salary for all employees whose job is sales rep or store clerk and whose salary is not equal to $2,500, $3,500 or $7,000. **Solution:**