1) Write a query for the HR department to produce the addresses of all the departments.Use the LOCATIONS and COUNTRIES tables. Show the location ID, street address, city, state or province, and country in the output. Run the query

=>SELECT location\_id,street\_address,city,state\_province,countries.country\_name FROM locations LEFT JOIN countries ON locations.country\_id=countries.country\_id;

2) The HR department needs a report of employees. Display the last name, job, department number, and department name for all employees

=> SELECT last\_name,job\_id,employees.department\_id,departments.department\_name FROM employees LEFT JOIN departments ON employees.department\_id=departments.department\_id;

3) Create a report to display employees last name and employee number along with their mangers ‘last name and manager number.Label the columns Employee,Emp#,Manger and Mar# respectively , Save your SQL statement as lab\_06\_04.sql Run the query

=> SELECT w.last\_name "Employee", w.employee\_id "EMP#", m.last\_name "Manager", m.employee\_id "Mgr#" FROM employees w join employees m ON (w.manager\_id = m.employee\_id);

4)Create a report for the HR department that display employee last name, department numbers and all the employees who work in the same department as a given employee. Give each column an appropriate label.

=> SELECT e.department\_id department, e.last\_name employee, c.last\_name colleague FROM employees e JOIN employees c ON (e.department\_id = c.department\_id) WHERE e.employee\_id <> c.employee\_id ORDER BY e.department\_id, e.last\_name, c.last\_name;

5) The query should display the last name and hire date of any employee who work in the same department in which Zlotkey(last name) work (excluding that employee)

=> SELECT last\_name, hire\_date FROM employees WHERE department\_id = (SELECT department\_id FROM employees WHERE last\_name = 'Zlotkey') AND last\_name <> 'Zlotkey';

6)Create a report that displays the employee number, last name and salary of all employees who earn more than the average salary. Sort the result in order of ascending salary.

=> SELECT employee\_id, last\_name, salary FROM employees WHERE salary > (SELECT AVG(salary) FROM employees) ORDER BY salary;

7. Write a query that displays the employee number and last name of all employees who work

in a department with any employee whose last name contains a “u.”

=> SELECT employee\_id, last\_name FROM employees WHERE department\_id IN (SELECT department\_id FROM employees WHERE last\_name like '%u%');

8. The HR department needs a report that displays the last name, department number, and job ID of all employees whose department location ID is 1700.

=> SELECT last\_name, department\_id, job\_id FROM employees WHERE department\_id IN (SELECT department\_id FROM departments WHERE location\_id = 1700);

9. Create a report for HR that displays the department number, last name, and job ID for every employee in the Executive department.

=> SELECT department\_id, last\_name, job\_id FROM employees WHERE department\_id IN (SELECT department\_id FROM departments WHERE department\_name = 'Executive');

10. display the employee number, last name, and salary of all employees who earn more than the average salary and who work in a department with any employee whose last name contains a “u.”

=> SELECT employee\_id, last\_name, salary FROM employees WHERE department\_id IN (SELECT department\_id FROM employees WHERE last\_name like '%u%') AND salary > (SELECT AVG(salary)FROM employees);