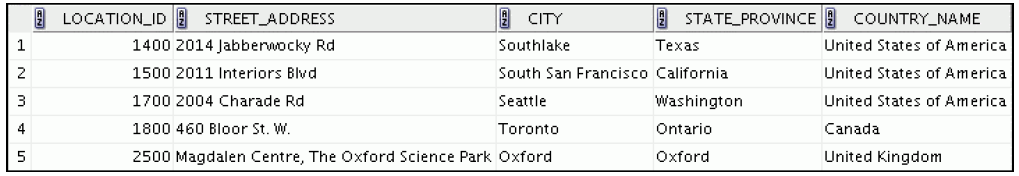
1. Write a query for the HR department to produce the addresses of all the departments. Use

the LOCATIONS and COUNTRIES tables. Show the location ID, street address, city, state or province, and country in the output.



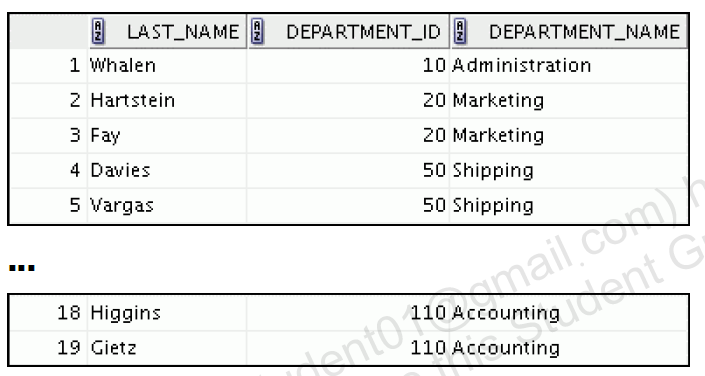
Ans. select locations.location\_id, locations.street\_address, locations.city, locations.state\_province,

countries.country\_name

from locations inner join countries on locations.country\_id=countries.country\_id;

2. The HR department needs a report of all employees. Write a query to display the last name,

department number, and department name for all the employees.



Ans. select employees.last\_name, departments.department\_id, departments.department\_name

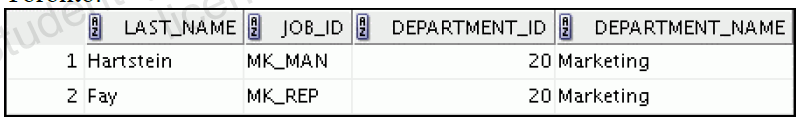
from employees inner join departments on employees.department\_id=departments.department\_id;

3. Create a report to display employees’ last names and employee number along with their

managers’ last names and manager number. Label the columns Employee, Emp#,

Manager, and Mgr#, respectively. Save your SQL statement as lab\_06\_04.sql. Run

the query.



Ans. select a.last\_name as "employee", a.employee\_id as "emp#", b.last\_name as "manager", b.employee\_id as "mgr#"

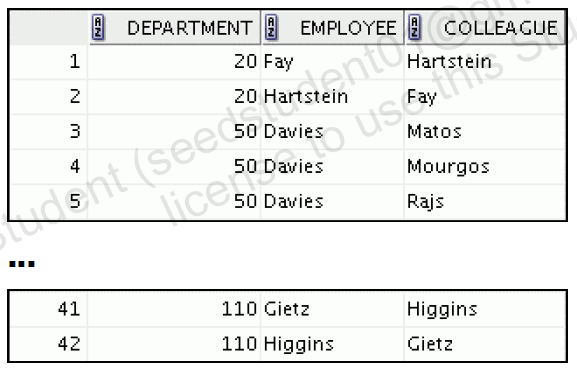
from employees a, employees b

where a.manager\_id=b.employee\_id;

4. Create a report for the HR department that displays employee last names, department

numbers, and all the employees who work in the same department as a given employee. Give

each column an appropriate label.



Ans. select employees.last\_name, departments.department\_id

from employees join departments

on employees.department\_id=departments.department\_id;

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 of an employee) work (excluding that employee).

Ans. select last\_name, hire\_date

from employees

where department\_id=(select department\_id from employees where 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 results in order of ascending salary.

Ans. select employee\_id, last\_name, salary

from employees

where salary>(select avg(salary) from employees);

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.”

Ans. 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.

Ans. select e.department\_id,e.last\_name,e.job\_id

from employees e join departments d

on e.department\_id=d.department\_id

where d.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.

Ans. select e.department\_id, e.last\_name, e.job\_id

from employees e join departments d

on e.department\_id=d.department\_id

where d.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.”

Ans. select employee\_id, last\_name, salary

from employees

where salary>(select avg(salary) from employees) and last\_name in (select last\_name from employees where last\_name like "%u%");