1. Write a query in SQL to display the first name, last name, department id,

and department name for each employee

a. Print all employees

SELECT firstName, lastName, deptID, deptName

FROM employee

JOIN hr

ON employee.id = hr.employee\_id;

b. Print all employees with Frist Name starting with an A

SELECT firstName

FROM employee

WHERE firstName LIKE ‘A%’;

2. Write a query in SQL to display the first and last name, department, and city

for each employee

a. Where is City is Atlanta, New York, Orlando

SELECT firstName, lastName, deptName, city

FROM employee

JOIN hr

ON employee.id = hr.id

AND (employee.city = ‘Atlanta’ OR employee.city = ‘New York’ OR employee.city = ‘Orlando);

b. Count of employees from each city

SELECT COUNT( employee.id) AS numberOfEmployees

FROM employee

GROUP BY city;

3. Write a query in SQL to display the first name, salary, and department name

for all employees

a. Top 5 salary

SELECT firstName, salary, deptID

FROM employee

JOIN hr

ON employee.id = hr.id

ORDER BY salary DESC

LIMIT 5;

b. Highest salary in each department

SELECT Count(DeptName) As NumEmpDept,

DeptName,

(SELECT salary From hr Order By salary Desc Limit 1) As DeptTopSalary

FROM hr

GROUP BY DeptName;

OR

SELECT Count(DeptName) As NumEmpDept,

DeptName,

(SELECT max( salary) FROM hr ORDER BY DeptName) As DeptTopSalary

FROM hr

GROUP BY DeptName;