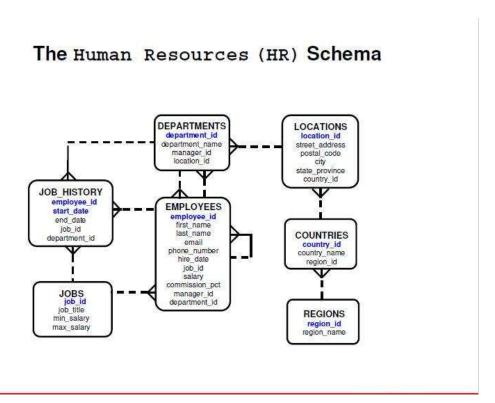
Chapter 5 Task

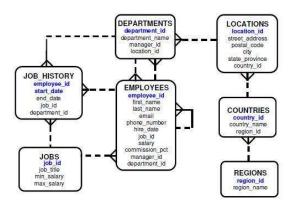
-HR schema:



1.Display the difference between the highest and lowest salaries in each department and rename it "Result".

```
Run SQL Command Line
 QL> conn
 nter user-name: hr
nter password:
 onnected.
QL> select department_id, max(salary) max, min(salary) min, max(salary)-min(salary) result
2 from employees
3 group by department_id;
 EPARTMENT_ID
                                MAX
                                                               RESULT
                                                                  5108
                             12008
11000
7000
                                                6900
2500
7000
               100
30
                             24000
13000
                                               17000
6000
                                                                  7000
7000
               90
20
70
110
50
80
40
                                                                  9
3708
6100
7900
0
                             10000
12008
8200
                                               10000
8300
2100
6100
                              14000
6500
                                                 6500
                                9000
                                                 4200
                                                                  4800
DEPARTMENT_ID
                                MAX
                                                               RESULT
                               4400
                                                 4400
 12 rows selected.
```

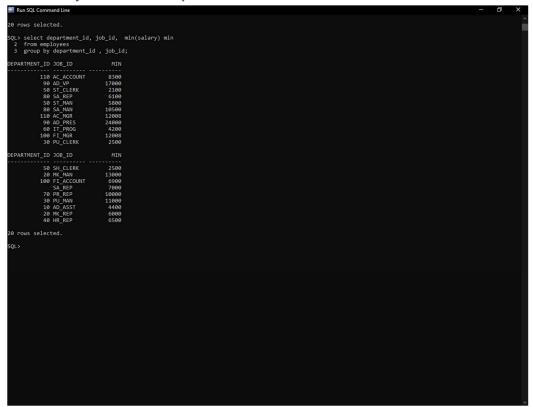
The Human Resources (HR) Schema



2

.Display the minimum salary

for each job << in each department.



The Human Resources (HR) Schema DEPARTMENTS department_id department_id manager_id location_id EMPLOYEES employee_id first_name last_name last_n

3.Display

the departments

which their summation of salaries between 15000 and 20000 and display the result in descending order.

```
### Select ### Select
```

The Human Resources (HR) Schema DEPARTMENTS department id department id department id manager id location id state, date end date job id department id department id department id department id COUNTRIES country id coun

4.Display

the no.of employees

in the department

that you will enter its number at run-time.

فقط بيعرض عدد الأشخاص في القسم اللي أنا هدخل رقمه

```
Run SCR Command line

SQL> select count(employee_id)
2 from employees
3 where department_id = &dep_id;
Enter value for dep_id: 108
old 3: where department_id = &dep_id
new 3: where department_id = 108

COUNT(EMPLOYEE_ID)

6

SQL>
```

Not the answer

بتعرض كل الأقسام وقدامها أعداد الموظفين فيها



بيعرض رقم القسم وعدد الناس فيه

بس بشرط إني أنا اللي بدخل رقم القسم

وكمان بيرتب العرض حسب رقم القسم

```
Run SQL Command Line

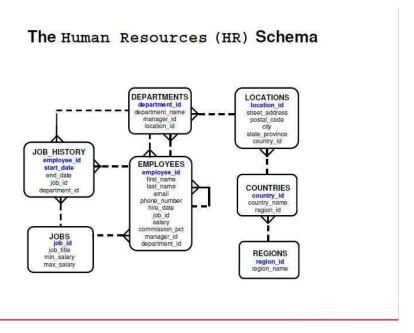
12 rows selected.

SQL> select department_id , count(employee_id)
2 from employees
3 where department_id; Enter value for dep_id: 100
old 3: where department_id = &dep_id
new 3: where department_id = 100

DEPARTMENT_ID COUNT(EMPLOYEE_ID)

100 6

SQL>
```



5.Display the summation of salaries for all employees

whose their first name not start with 'S' letter.

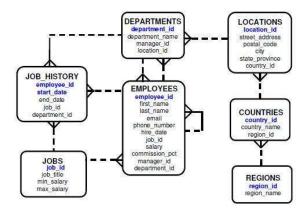
```
select sum(salary) sum
from employees
where first_name not like 'S%';604608

select sum(salary) sum
from employees
where first_name like 'S%'; 86808

select sum(salary) sum
from employees; 691416

from employees; 691416
```

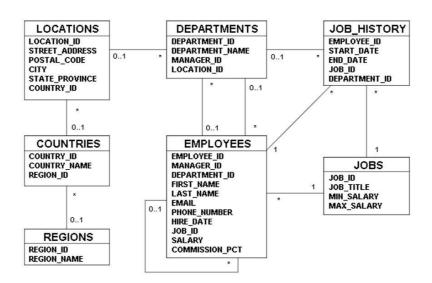
The Human Resources (HR) Schema



6.Display

the average of commissions for employees whose last names end with r and divide these employees into groups based on the value of salary and show only groups with commission average is greater than .125 ,

display the averages in descending order



a) Create a report to display the manager number and the salary of the lowest-paid employee for that manager. Exclude anyone whose manager is not known. Exclude any groups where the minimum salary is \$6,000 or less. Sort the output in descending order of salary.

display

the manager number

and the salary of the lowest-paid employee for that manager.

Exclude anyone whose manager in not known.

Exclude any groups where the min salary is 6000 or less.

Sort desc by salary