DROP TABLE REGIONS CASCADE CONSTRAINTS;

DROP TABLE LOCATIONS CASCADE CONSTRAINTS;

DROP TABLE JOBS CASCADE CONSTRAINTS;

DROP TABLE JOB\_HISTORY CASCADE CONSTRAINTS;

DROP TABLE EMPLOYEES CASCADE CONSTRAINTS;

DROP TABLE DEPARTMENTS CASCADE CONSTRAINTS;

DROP TABLE COUNTRIES CASCADE CONSTRAINTS;

CREATE TABLE regions AS SELECT \* FROM HR.regions;

CREATE TABLE locations AS SELECT \* FROM HR.locations;

CREATE TABLE departments AS SELECT \* FROM HR.departments;

CREATE TABLE employees AS SELECT \* FROM HR.employees;

CREATE TABLE Job\_History AS SELECT \* FROM HR.Job\_History;

CREATE TABLE JOBS AS SELECT \* FROM hr.JOBS;

CREATE TABLE COUNTRIES AS SELECT \* FROM hr.COUNTRIES;

ALTER TABLE REGIONS ADD PRIMARY KEY (region\_id);

ALTER TABLE COUNTRIES ADD PRIMARY KEY (country\_id);

ALTER TABLE COUNTRIES ADD FOREIGN KEY (region\_id) REFERENCES REGIONS(region\_id);

ALTER TABLE LOCATIONS ADD PRIMARY KEY (location\_id);

ALTER TABLE LOCATIONS ADD FOREIGN KEY (country\_id) REFERENCES COUNTRIES(country\_id);

ALTER TABLE JOBS ADD PRIMARY KEY (job\_id);

ALTER TABLE DEPARTMENTS ADD PRIMARY KEY (department\_id);

ALTER TABLE EMPLOYEES ADD PRIMARY KEY (employee\_id);

ALTER TABLE job\_history ADD CONSTRAINT PK\_Job\_History PRIMARY KEY (employee\_id, start\_date);

ALTER TABLE JOB\_HISTORY ADD FOREIGN KEY (job\_id) REFERENCES JOBS(job\_id);

ALTER TABLE JOB\_HISTORY ADD FOREIGN KEY (department\_id) REFERENCES DEPARTMENTS(department\_id);

ALTER TABLE DEPARTMENTS ADD FOREIGN KEY (manager\_id) REFERENCES EMPLOYEES(employee\_id);

ALTER TABLE DEPARTMENTS ADD FOREIGN KEY (location\_id) REFERENCES LOCATIONS(location\_id);

ALTER TABLE EMPLOYEES ADD FOREIGN KEY (job\_id) REFERENCES JOBS(job\_id);

ALTER TABLE EMPLOYEES ADD FOREIGN KEY (manager\_id) REFERENCES EMPLOYEES(employee\_id);

ALTER TABLE EMPLOYEES ADD FOREIGN KEY (department\_id) REFERENCES DEPARTMENTS(department\_id);

1.

select (last\_name||' '||salary)as wynagrodzenie from employees

where department\_id in(20,50) and salary BETWEEN 2000 and 7000 Order by last\_name

2.

select hire\_date, last\_name, &x as col\_user from employees

where manager\_id is not null and hire\_date BETWEEN '05/01/01' AND '05/12/31'

ORDER BY col\_user;

3.

select (first\_name||' '||last\_name)as full\_name, salary, phone\_number

from employees

where last\_name like '\_\_e%' and first\_name like '%'||'&x'||'%'

ORDER BY 1 desc, 2 asc;

4.

SELECT first\_name, last\_name, Cast(months\_between(TO\_DATE(sysdate),to\_date(hire\_date)) as int) "SUMA",

CASE

WHEN Cast(months\_between(TO\_DATE(sysdate),to\_date(hire\_date)) as int) BETWEEN 1 AND 149 THEN salary\*0.1

WHEN Cast(months\_between(TO\_DATE(sysdate),to\_date(hire\_date)) as int) BETWEEN 150 AND 200 THEN salary\*0.2

WHEN Cast(months\_between(TO\_DATE(sysdate),to\_date(hire\_date)) as int) > 200 THEN salary\*0.3

END AS wysokosc\_dodatku

from employees

5.

select department\_id, sum(salary) as sum\_salary, round(avg(salary),0) as avg\_salary

from employees

group by department\_id

having min(salary) > 5000;

6.

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

from employees, departments, locations

where EMPLOYEES.department\_id = DEPARTMENTS.department\_id

AND DEPARTMENTS.location\_id = LOCATIONS.location\_id

AND city='Toronto'

7.

SELECT last\_name, first\_name

FROM employees

WHERE department\_id IN

(SELECT DISTINCT department\_id

FROM employees

WHERE first\_name = 'Jennifer');

8.

select department\_name

from departments

where department\_id not in (select department\_id from employees where department\_id is not null);

9.

CREATE TABLE Job\_grades AS SELECT \* FROM HR.Job\_grades;

11.

SELECT last\_name, first\_name, salary

FROM employees

WHERE salary > (SELECT AVG(salary) FROM employees)

ORDER BY salary DESC;

12.

SELECT last\_name, first\_name

FROM employees

WHERE department\_id IN

(SELECT DISTINCT department\_id

FROM employees

WHERE last\_name LIKE '%u%');