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L1 Informatique

Chapitre 8.

1)
```
CREATE TABLE my_employee (
        id NUMBER(4) CONSTRAINT id_employee NOT NULL,
        last_name VARCHAR2(25),
        first_name VARCHAR2(25),
        userid VARCHAR2(8),
        salary NUMBER(9,2)
);
```

2)
```
DESCRIBE my_employee;
```

3)
```
INSERT INTO my_employee
VALUES (1, 'Patel', 'Ralph', 'rpatel', 895);
```

4)
```
INSERT INTO my_employee (id, last_name, first_name, userid, salary)
VALUES (2, 'Dancs', 'Betty', 'bdancs', 860);
```

5) `SELECT * FROM my_employee;`

6, 7)
```
INSERT INTO MY_EMPLOYEE()
VALUES
        (1, "Patel", "Ralph", "rpatel", 895),
        (2, "Dancs", "Betty", "bdancs", 860),
        (3, "Biri", "Ben", "bbiri", 1100),
        (4, "Newman", "Chad", "cnewman", 750);
```

8) `SELECT * FROM my_employee;`

9) `COMMIT;`

10)
```
UPDATE my_employee SET last_name = "Drexler"  WHERE id = 3;
```

11)
UPDATE MY_EMPLOYEE **SET** salary = 1000
WHERE salary < 900;

12) **SELECT** last_name, salary **FROM** my_employee;

13)
DELETE FROM MY_EMPLOYEE
WHERE last_name = "Dancs" **AND** first_name = "Betty";

14) **SELECT** * **FROM** my_employee;
15) **COMMIT**;

16)
INSERT INTO MY_EMPLOYEE()
VALUES (5, "Ropeburn", "Audrey", "aropebur", 1550);

17) **SELECT** * **FROM** my_employee;

18) **SAVEPOINT** insert_done;

19) **DELETE FROM** my_employee;

20) **SELECT** * **FROM** my_employee;

21) **ROLLBACK TO** insert_done;

22) **SELECT** * **FROM** my_employee;

23) **COMMIT;**

Chapitre 10.

1)
ALTER TABLE emp
  ADD CONSTRAINT my_emp_id_pk **PRIMARY KEY** (id);

2)
ALTER TABLE dept
  ADD CONSTRAINT my_dept_id_pk **PRIMARY KEY**(id);

3)
ALTER TABLE emp
  ADD (dept_id NUMBER(7));

ALTER TABLE emp
  ADD CONSTRAINT my_emp_dept_id_fk
  FOREIGN KEY (dept_id) **REFERENCES** dept(id);

4)
SELECT constraint_name, constraint_type
FROM user_constraints
WHERE table_name **IN** ('EMP', 'DEPT');

5)
SELECT object_name, object_type
FROM user_objects
WHERE object_name **LIKE** 'EMP%' **OR** object_name **LIKE** 'DEPT%';

6)
ALTER TABLE EMP
ADD commission **NUMBER(2,2)**
CONSTRAINT my_emp_comm_ck **CHECK** commission >= 0;