

INFO-H-415

Object-Relational Databases: Oracle
Exercices

Type definition

declaration:

```
CREATE TYPE TCourse;
```

Type definition

structs:

```
CREATE TYPE Tname AS OBJECT  
(  
    firstName VARCHAR2(30),  
    lastName VARCHAR2(30)  
);
```

Type definition

arrays:

```
CREATE TYPE TTelephones AS  
    VARRAY(6) OF VARCHAR2(15);
```

Type definition

refs:

```
CREATE TYPE TSetRefCourses AS  
TABLE OF REF TCourse;
```

points to a set of tuples of type TCourse

Type definition

inheritance:

```
CREATE TYPE TStudent  
  UNDER TPerson (  
    studentNo CHAR(6),  
  ...
```

Table definition

```
CREATE TABLE Course OF TCourse (
    PRIMARY KEY (courseNo),
    FOREIGN KEY (professorRef)
    REFERENCES Person )
NESTED TABLE
    isPrerequisiteOfRefs STORE AS
    Table_isPrerequisiteOfRefs
...
```

Connection

- Launch Oracle SQL Developer
- Create new connection:
 - 164.15.81.95
 - login/pass: sdi%d / sdi%d
(with %d an integer in 1..25)

Connection

base de données ✕

Nom de connexion

Nom utilisateur

Mot de passe

Enregistrer le mot de passe

Oracle Access

Type de connexion Rôle

Nom d'hôte

Port

SID

Nom de service

Authentification OS Authentification Kerberos Connexion proxy