

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
(with %d an integer in 1..25)

Connection

base de données

Nom de connexion: sdi1

Nom utilisateur: sdi:

Mot de passe: ****

Enregistrer le mot de passe

Oracle Access

Type de connexion: De base Rôle: par défaut

Nom d'hôte: 164.15.81.95

Port: 1521

SID: xe

Nom de service

Authentification OS Authentification Kerberos Connexion proxy

strer Effacer Tester Connexion Annuler