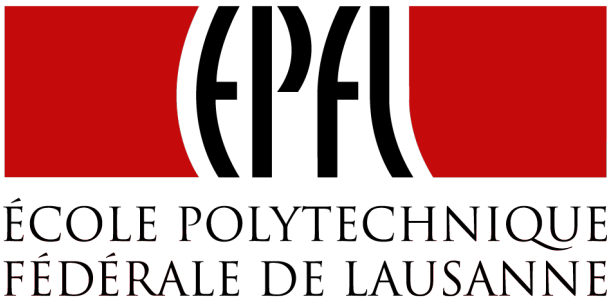
Introduction to Database Systems

Olympic Games



Bastien Antoine (203267)
Denoréaz Thomas (183785)
Dieulivol David (185078)

Academic years 2012-2013

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"The most important motivation for the research work that resulted in the relational model was the objective of providing a sharp and clear boundary between the logical and physical aspects of database management."

— Edgar F. Codd, February 1982

Contents

1 Introduction

Bla bla bla

2 Entityrelationship model

Bla bla bla

3 Relational schema and constraints

Bla bla bla

```
1  CREATE TABLE Residence (
2    address            char(128)  NOT NULL,
3    phone              char(20)  NOT NULL,
4    PRIMARY KEY (address, phone)
5  )
6
7  CREATE TABLE Musician (
8    ssn                char(20)  NOT NULL,
9    name               char(20),
10   res_address        char(128)  NOT NULL,
11   res_phone          char(20)  NOT NULL,
12   PRIMARY KEY (ssn),
13   FOREIGN KEY (res_address, res_phone) REFERENCES Residence
       ➥(address, phone)
14     ON DELETE NO ACTION
15 )
```

Listing 3.1: Salut

4 SQL Data definition language statements

Bla bla bla

```
1  CREATE TABLE Residence (
2     address             char(128)  NOT NULL,
3     phone               char(20)  NOT NULL,
4     PRIMARY KEY (address, phone)
5  )
6
7  CREATE TABLE Musician (
8     ssn                 char(20)  NOT NULL,
9     name                char(20),
10    res_address         char(128)  NOT NULL,
11    res_phone           char(20)  NOT NULL,
12    PRIMARY KEY (ssn),
13    FOREIGN KEY (res_address, res_phone) REFERENCES Residence
          ➥(address, phone)
14      ON DELETE NO ACTION
15 )
```

Listing 4.1: Salut