

ΣΧΟΛΗ ΤΕΧΝΟΛΟΓΙΚΩΝ ΕΦΑΡΜΟΓΩΝ
ΤΜΗΜΑ ΜΗΧΑΝΙΚΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΤΕ



Βάσεις Δεδομένων II - Εργαστήριο

Διδάσκων: Τσίπουρας Μάρκος

Σχήμα Βάσης Δεδομένων

EMPLOYEE

<u>EMP_ID</u>	LASTNAME	FISTNAME	SALARY	ADDRESS	SEX	BDATE	SUPERVISOR_ID	DNUMBER
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DEPARTMENT

<u>DNUMBER</u>	DNAME	MANAGER_ID	MNG_STARTDATE
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DEP_LOCATIONS

<u>DNUMBER</u>	<u>LOCATIONS</u>
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PROJECT

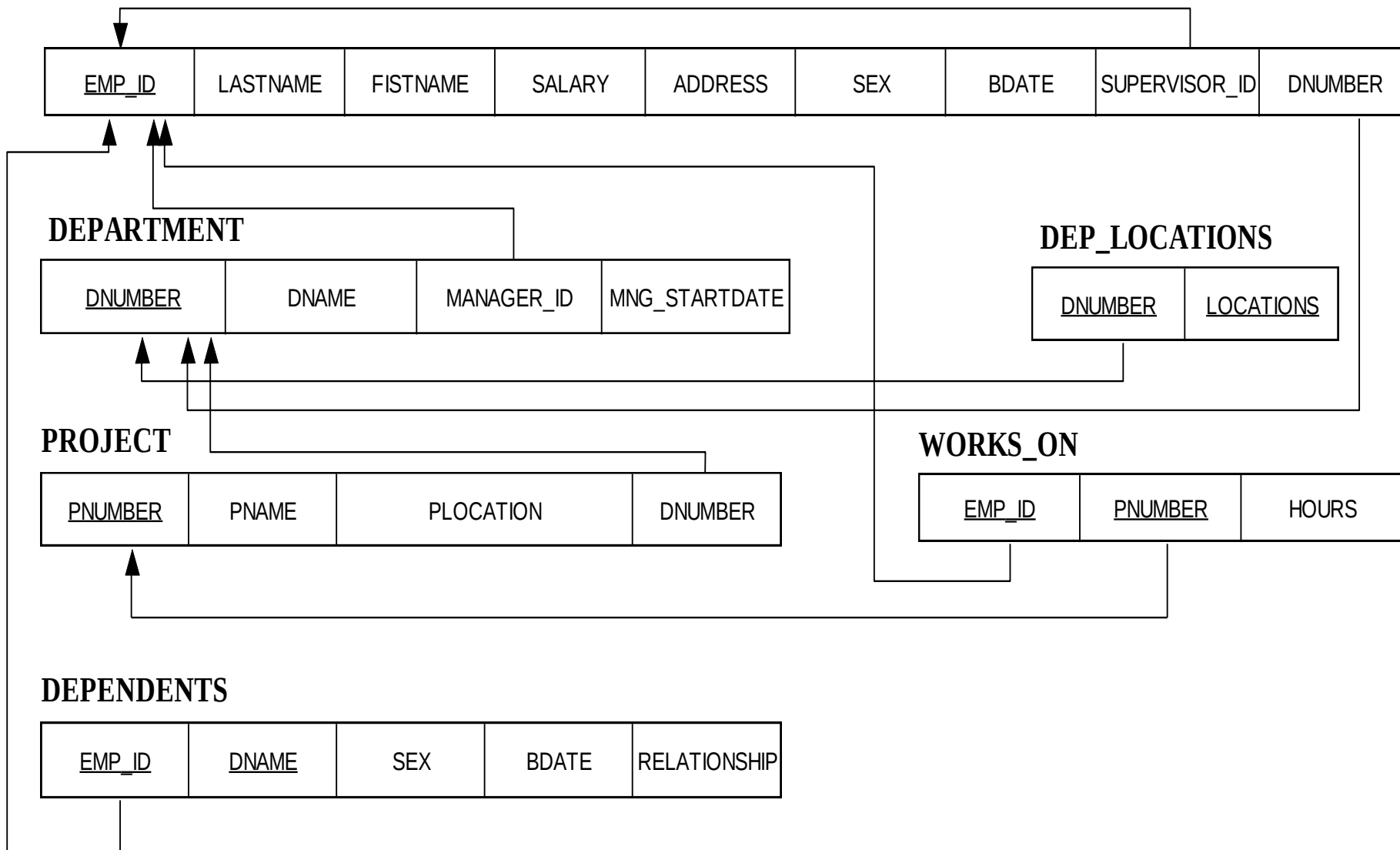
<u>PNUMBER</u>	PNAME	PLOCATION	DNUMBER
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WORKS_ON

<u>EMP_ID</u>	<u>PNUMBER</u>	HOURS
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DEPENDENTS

<u>EMP_ID</u>	<u>DNAME</u>	SEX	BDATE	RELATIONSHIP
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Λειτουργίες ΒΔ

`create database COMPANY`

Δημιουργία βάσης δεδομένων company

`drop database COMPANY`

Διαγραφή βάσης δεδομένων company

`use COMPANY`

Χρήση βάσης δεδομένων company

Δημιουργία πινάκων

```
use COMPANY
```

```
create table EMPLOYEE
```

```
(
```

```
    EMP_ID char(8) not null,
```

```
    LASTNAME varchar(15) not null,
```

```
    FIRSTNAME varchar(15) not null,
```

```
    SALARY money,
```

```
    E_ADDRESS varchar(30),
```

```
    SEX char check (SEX IN ('F', 'M')),
```

```
    BDATE datetime,
```

```
    SUPERVISOR_ID char(8) null,
```

```
    DNUMBER int not null,
```

```
    primary key (EMP_ID),
```

```
    foreign key (SUPERVISOR_ID) references EMPLOYEE (EMP_ID)
```

```
)
```

Δημιουργία πινάκων

```
use COMPANY
```

```
create table DEPARTMENT
(
    DNUMBER int not null,
    DNAME varchar(15) not null,
    MANAGER_ID char(8) not null,
    MNG_STARTDATE datetime,
    primary key (DNUMBER),
    foreign key (MANAGER_ID) references EMPLOYEE (EMP_ID)
)

alter table EMPLOYEE
add foreign key (DNUMBER) references DEPARTMENT (DNUMBER);
```

Δημιουργία πινάκων

```
use COMPANY
```

```
create table PROJECT
```

```
(
```

```
  PNUMBER int not null,
```

```
  PNAME varchar (30) not null,
```

```
  PLOCATION varchar (15),
```

```
  DNUMBER int not null,
```

```
  primary key (PNUMBER),
```

```
  foreign key (DNUMBER) references DEPARTMENT (DNUMBER)
```

```
)
```

Δημιουργία πινάκων

```
use COMPANY
```

```
create table DEPENDENTS
```

```
(
```

```
EMP_ID char(8) not null,
```

```
DNAME varchar(15) not null,
```

```
SEX char check (SEX IN ('F', 'M')),
```

```
BDATE datetime,
```

```
RELATIOSHIP varchar(10),
```

```
primary key (EMP_ID, DNAME),
```

```
foreign key (EMP_ID) references EMPLOYEE (EMP_ID)
```

```
)
```

Δημιουργία πινάκων

```
use COMPANY
```

```
create table DEP_LOCATION  
(  
    DNUMBER int not null,  
    LOCATIONS varchar (15) not null,  
    primary key(DNUMBER, LOCATIONS),  
    foreign key (DNUMBER) references DEPARTMENT (DNUMBER)  
)
```

Δημιουργία πινάκων

```
use COMPANY
```

```
create table WORKS_ON
```

```
(
```

```
EMP_ID char(8) not null,
```

```
PNUMBER int not null,
```

```
HOURS decimal(3,1) not null,
```

```
primary key (EMP_ID, PNUMBER),
```

```
foreign key (PNUMBER) references PROJECT (PNUMBER),
```

```
foreign key (EMP_ID) references EMPLOYEE (EMP_ID)
```

```
)
```