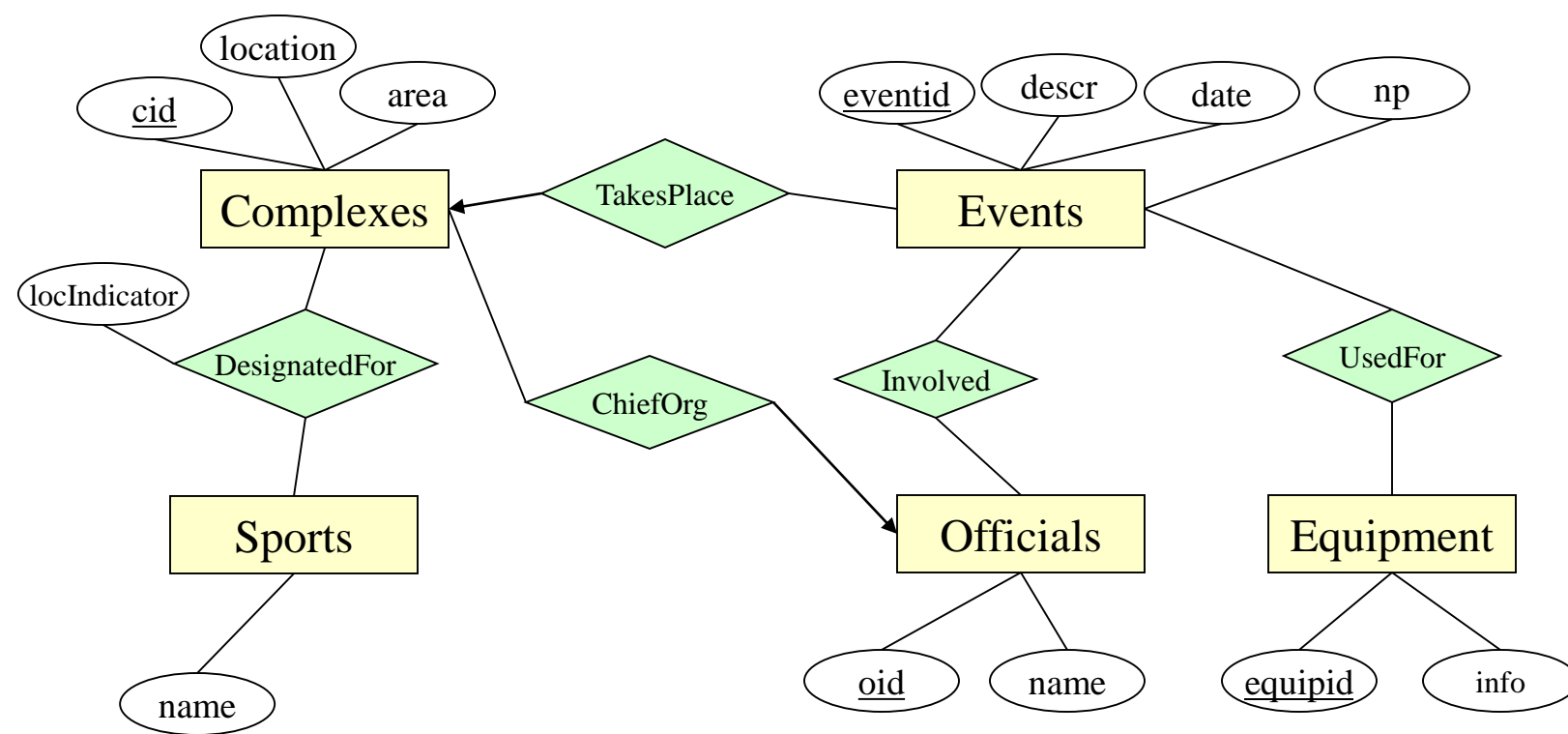


Ex.1



Complexes(cid,location,area)

Sports(sportname)

DesignatedFor(cid,sportname,locIndicator)

Officials(oid, name)

Events(eventid,descr,dateplanned,np,chief_org_oid,cid)

Involved(oid,eventid)

Equipment(equipid,info)

UsedFor(equipid,eventid)

Ex.1

```
CREATE TABLE Complexes(cid INT PRIMARY KEY, location VARCHAR(30), area INT);
```

```
CREATE TABLE Sports(sportname VARCHAR(10) PRIMARY KEY);
```

```
CREATE TABLE DesignatedFor(  
    cid INT REFERENCES Complexes,  
    sportname VARCHAR(10) REFERENCES Sports,  
    locIndicator VARCHAR(7),  
    PRIMARY KEY(cid,sportname));
```

```
CREATE TABLE Officials(oid INT PRIMARY KEY, name VARCHAR(20));
```

```
CREATE TABLE Events(  
    eventid INT PRIMARY KEY,  
    description VARCHAR(50),  
    dateplanned DATE,  
    np INT,  
    chief_org_oid INT REFERENCES Officials,  
    cid INT REFERENCES Complexes);
```

```
CREATE TABLE Involved(oid INT REFERENCES Officials, eventid INT REFERENCES Events,  
    PRIMARY KEY(oid,eventid));
```

```
CREATE TABLE Equipment(equipid INT PRIMARY KEY, info VARCHAR(30));
```

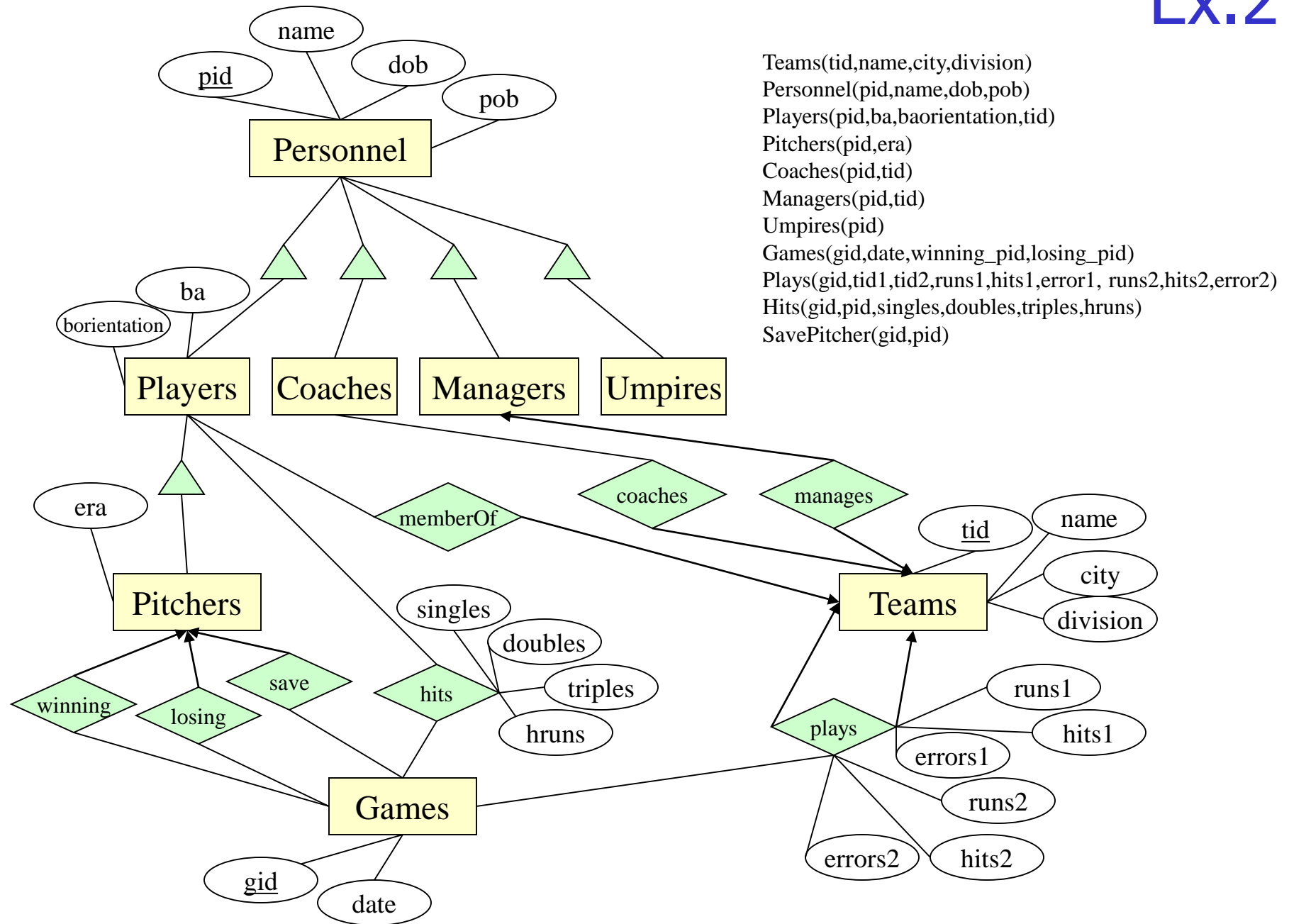
```
CREATE TABLE UsedFor(equipid INT REFERENCES Equipment, eventid INT REFERENCES Events,  
    PRIMARY KEY(equipid, eventid));
```

Ex.1

If you want to drop the tables, the drop order should be the reverse of creation order.

```
DROP TABLE UsedFor;  
DROP TABLE Equipment;  
DROP TABLE Involved;  
DROP TABLE Events;  
DROP TABLE Officials;  
DROP TABLE DesignatedFor;  
DROP TABLE Sports;  
DROP TABLE Complexes;
```

Ex.2



Ex.2

```
CREATE TABLE Teams(tid INT PRIMARY KEY, name VARCHAR(15), city VARCHAR(20), division VARCHAR(20));
```

```
CREATE TABLE Personnel(pid INT PRIMARY KEY, name VARCHAR(20), dob DATE, pob VARCHAR(15));
```

```
CREATE TABLE Players(pid INT PRIMARY KEY REFERENCES Personnel, ba FLOAT, baorientation VARCHAR(10),  
tid INT REFERENCES Teams);
```

```
CREATE TABLE Pitchers(pid INT PRIMARY KEY REFERENCES Personnel, era FLOAT);
```

```
CREATE TABLE Coaches(pid INT PRIMARY KEY REFERENCES Personnel, tid INT REFERENCES Teams);
```

```
CREATE TABLE Managers(pid INT PRIMARY KEY, tid INT REFERENCES Teams);
```

```
CREATE TABLE Umpires(pid INT PRIMARY KEY);
```

```
CREATE TABLE Games(gid INT PRIMARY KEY, dateplayed DATE,  
winning_pid INT REFERENCES Pitchers, losing_pid INT REFERENCES Pitchers);
```

```
CREATE TABLE SavePitcher(gid INT PRIMARY KEY REFERENCES Games, pid INT REFERENCES Pitchers);
```

```
CREATE TABLE Plays(gid INT PRIMARY KEY REFERENCES Games, tid1 REFERENCES Teams, tid2 REFERENCES Teams,  
runs1 INT, hits1 INT, error1 INT, runs2 INT, hits2 INT, error2 INT);
```

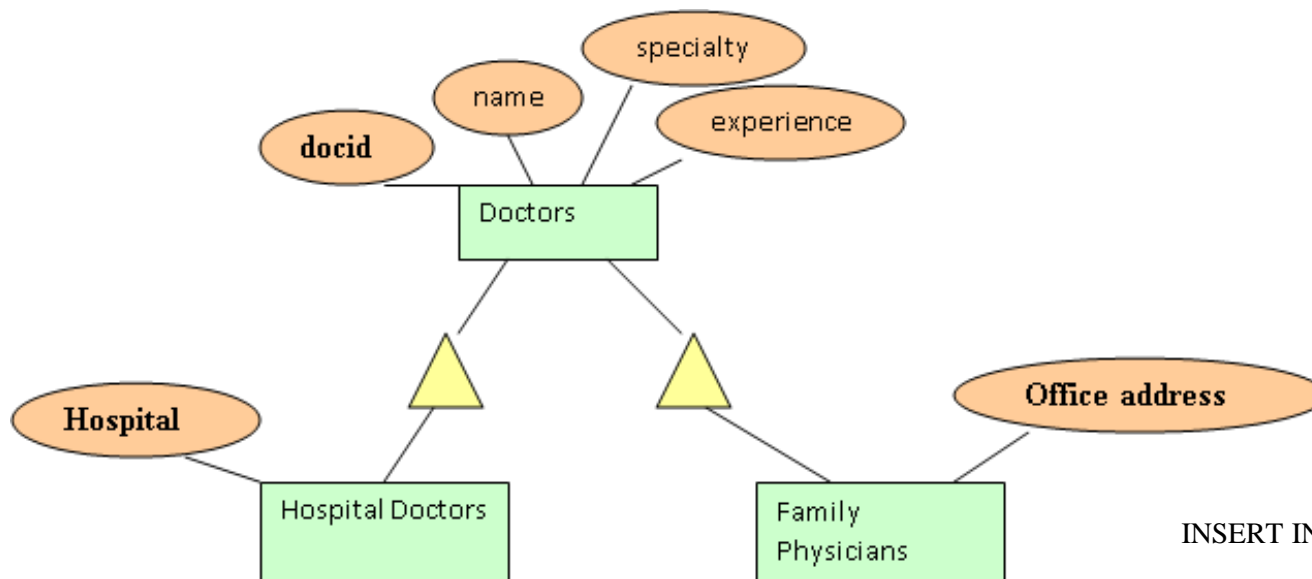
```
CREATE TABLE Hits(gid INT REFERENCES Games, pid INT REFERENCES Players, singles INT, doubles INT, triples INT, hruns INT,  
PRIMARY KEY(gid,pid));
```

Ex.2

If you want to drop the tables, the drop order should be the reverse of creation order.

```
DROP TABLE Hits;  
DROP TABLE Plays;  
DROP TABLE SavePitcher;  
DROP TABLE Games;  
DROP TABLE Umpires;  
DROP TABLE Managers;  
DROP TABLE Coaches;  
DROP TABLE Pitchers;  
DROP TABLE Players;  
DROP TABLE Personnel;  
DROP TABLE Teams;
```

Ex.3



```

CREATE TABLE Doctors (
    docid CHAR(10) PRIMARY KEY,
    name VARCHAR(20),
    specialty VARCHAR(20),
    experience INT
);

CREATE TABLE HospitalDoctors (
    docid CHAR(10) PRIMARY KEY REFERENCES Doctors,
    hospital VARCHAR(20)
);

CREATE TABLE FamilyPhysicians (
    docid CHAR(10) PRIMARY KEY REFERENCES Doctors,
    officeaddress VARCHAR(20)
);
  
```

```

INSERT INTO Doctors VALUES (
    'D987654321',
    'Brown',
    'cardiologist',
    10
);
  
```

```

INSERT INTO Doctors VALUES (
    'O987654311',
    'Johnson',
    'orthopedic',
    20
);
  
```

```

INSERT INTO HospitalDoctors VALUES (
    'D987654321',
    'Vic General'
);
  
```

```

INSERT INTO FamilyPhysicians VALUES (
    'O987654311',
    '1500 Fort Str'
);
  
```

If you want to drop the tables, the drop order should be the reverse of creation order.

```
DROP TABLE HospitalDoctors;  
DROP TABLE FamilyPhysicians;  
DROP TABLE Doctors;
```