

--KENNETH M.. BROOKS III--

--Database designed with the assumption that each person--  
--can only fulfill one role, Coach or Player and not both.--

drop table if exists players;  
drop table if exists coaches;  
drop table if exists teams;  
drop table if exists playsfor;  
drop table if exists coachesfor;

```
create table players(  
  pid char(4) not null,  
  fname text,  
  lname text,  
  phone int,  
  address text,  
  age int,  
  primary key (pid)  
)  
;
```

```
create table coaches(  
  cid char(4) not null,  
  fname text,  
  lname text,  
  phone int,  
  address text,  
  experienceyears int,  
  primary key (cid)  
)  
;
```

```
create table teams(  
  tid char(4) not null,  
  name text,  
  agegroup text,  
  primary key (tid)  
)  
;
```

```
create table playsfor(  
  pid char(4) not null references players(pid),  
  tid char(4) not null references teams(tid),  
  position text,  
  primary key (pid, tid)  
)  
;
```

```
create table coachesfor(  
  cid char(4) not null references coaches(cid),  
  tid char(4) not null references teams(tid),  
  position text,  
  primary key (cid, tid)  
)  
;
```

1.

Players

pid -> fname, lname, address, phone, position, age

Coaches

cid -> fname, lname, address, phone, yearsexperience

playsfor

pid -> tid

coachesfor

none

teams

tid -> name, age