```sql
CREATE TABLE Pays
(
  pid CHAR(30) NOT NULL,
  PRIMARY KEY (pid)
);
INSERT INTO pays VALUES ('USA');
INSERT INTO pays values ('CAN');
INSERT INTO pays VALUES ('CHI');
INSERT INTO pays values ('RUS');
INSERT INTO pays VALUES ('JAP');
INSERT INTO pays values ('FRA');
INSERT INTO pays VALUES ('MEX');
INSERT INTO pays values ('ENG');
INSERT INTO pays VALUES ('AUS');
INSERT INTO pays values ('BRA');
INSERT INTO pays VALUES ('SAF');
INSERT INTO pays values ('NZL');

CREATE TABLE Residence
(
  rid INT NOT NULL,
  cap INT,
  adr CHAR(30),
  phone CHAR(30),
  PRIMARY KEY(rid)
);

CREATE TABLE Athlete
(
  aid INT NOT NULL,
  pnom CHAR(30) NOT NULL,
  nom CHAR(30) NOT NULL,
  pid CHAR(30) NOT NULL,
  age INT NOT NULL,
  adr CHAR(30) NOT NULL,
  rid INT NOT NULL,
  PRIMARY KEY (aid),
  FOREIGN KEY (pid) REFERENCES Pays(pid) ON DELETE CASCADE,
  FOREIGN KEY (rid) REFERENCES Residence(rid) ON DELETE CASCADE,
  CHECK (age>=15)
);

CREATE TABLE Employee
(
eid INT NOT NULL,
psw CHAR(30) NOT NULL,
```

```sql
pnom CHAR(30) NOT NULL,
nom CHAR(30) NOT NULL,
phone_no CHAR(30),
adr CHAR(30) NOT NULL,
rid INT NOT NULL,
PRIMARY KEY (eid),
FOREIGN KEY (rid) REFERENCES Residence(rid) ON DELETE CASCADE
);




CREATE TABLE Discipline
(
  did INT NOT NULL,
  nom CHAR(30),
  PRIMARY KEY (did)
);

CREATE TABLE Epreuve
(
 eid INT NOT NULL,
did INT NOT NULL REFERENCES Discipline(did) ON DELETE CASCADE,
  descr CHAR(30) NOT NULL,
  PRIMARY KEY(eid)
);

CREATE TABLE register
(
reg_no INT NOT NULL,
aid INT NOT NULL,
epreuve_id INT NOT NULL,
PRIMARY KEY(reg_no),
FOREIGN KEY (aid) REFERENCES Athlete ON DELETE CASCADE,
FOREIGN KEY (epreuve_id) REFERENCES Epreuve ON DELETE CASCADE
);


CREATE TABLE type(type CHAR(6) NOT NULL, PRIMARY KEY (type));
insert into type values('bronze');
insert into type values('silver');
insert into type values('gold');
```

```sql
CREATE TABLE Medal(
mid INT NOT NULL,
type CHAR(6) NOT NULL REFERENCES type ON DELETE CASCADE,
eid INT NOT NULL,
aid INT NOT NULL,
PRIMARY KEY (mid),
FOREIGN KEY (eid) REFERENCES Epreuve(eid) ON DELETE CASCADE,
FOREIGN KEY (aid) REFERENCES Athlete(aid) ON DELETE CASCADE
);


CREATE TABLE Facility
(
  fid INT NOT NULL,
  cap INT,
  adr CHAR(30),
  descr CHAR(30),
        competition BOOL,
        training BOOL,

  PRIMARY KEY (fid),
check (competition != training)
);

CREATE TABLE Transport
(
  tid INT NOT NULL,
  cap INT,
  freq INT,
  PRIMARY KEY (tid)
);


CREATE TABLE itineraire(itiid INT NOT NULL,
 tid INT NOT NULL REFERENCES Transport ON DELETE CASCADE,
tof INT REFERENCES Facility(fid) ON DELETE CASCADE,
fromf INT REFERENCES Facility(fid) ON DELETE CASCADE,PRIMARY KEY (itiid),
CHECK (tof != fromf));
```

```sql
CREATE TABLE Medical
(
  mid INT NOT NULL,
  nom CHAR(30),
  descr CHAR(30),
  phone CHAR(30),
  adr CHAR(30),
  PRIMARY KEY(mid)
);

CREATE TABLE hasA_med
(
fid INT,
mid INT,
PRIMARY KEY(mid),
FOREIGN KEY (fid) REFERENCES Facility ON DELETE CASCADE,
FOREIGN KEY (mid) REFERENCES Medical ON DELETE CASCADE
);

CREATE TABLE Officiel
(
  oid INT NOT NULL,
  nom CHAR(30),
  PRIMARY KEY (oid)
);

CREATE TABLE Referee
(
referee_id INT NOT NULL REFERENCES Officiel(oid) ON DELETE CASCADE,
PRIMARY KEY(referee_id)
);

CREATE TABLE supervise
(
oid INT NOT NULL,
aid INT NOT NULL,
epreuve_id INT NOT NULL,
PRIMARY KEY (oid),
FOREIGN KEY (oid) References Referee ON DELETE CASCADE,
FOREIGN KEY (aid) References Athlete ON DELETE CASCADE,
FOREIGN KEY (epreuve_id) References Epreuve ON DELETE CASCADE
);
```

```sql
CREATE TABLE Trainer
(
trainer_id INT NOT NULL REFERENCES Officiel(oid) ON DELETE CASCADE,
PRIMARY KEY(trainer_id)
);

CREATE TABLE train
(
oid INT,
aid INT,
FOREIGN KEY (oid) REFERENCES Trainer ON DELETE CASCADE,
FOREIGN KEY (aid) REFERENCES Athlete ON DELETE CASCADE
);

CREATE TABLE Delegation
(
delegation_id INT NOT NULL REFERENCES Officiel(oid) ON DELETE CASCADE,
PRIMARY KEY(delegation_id)
);

CREATE TABLE delegate_to(
oid INT,
pid CHAR(30),
PRIMARY KEY(oid),
FOREIGN KEY (oid) REFERENCES Delegation ON DELETE CASCADE,
FOREIGN KEY (pid) REFERENCES Pays ON DELETE CASCADE
);
```