create schema paralympic;

set search\_path to paralympic;

create table belongsto (

participantid numeric(8,0) not null,

categoryid int not null,

foreign key(participantid) references participant(Pid),

foreign key(categoryid) references category(Cid),

primary key(categoryid,participantid)

);

create table category (

cid int not null,

cname varchar(50) not null,

Primary key(cid)

);

create table competesasindividual(

participantid numeric(8,0) not null,

matchid numeric(9,0) not null,

score numeric(5,2),

foreign key(matchid) references match(matchid),

foreign key(participantid) references participant(Pid),

primary key(matchid,participantid)

);

create table competesasteam(

teamid numeric(8,0) not null,

matchid numeric(9,0) not null,

score numeric(5,2),

foreign key(teamid) references team(tid),

foreign key(matchid) references match(matchid),

primary key(teamid,matchid)

);

create table match (

matchid numeric(9,0) not null,

refereeid numeric(7,0),

sportid numeric(6,0),

primary key(matchid),

foreign key(refereeid) references referee(rid),

foreign key(sportid) references sport(sid)

);

create table participant (

pname varchar(50) not null,

country varchar(25) not null,

gender char(1) not null,

dob date,

pid numeric(8,0) not null,

primary key(pid)

);

create table participatesin(

sportid numeric(6,0) not null,

participantid numeric(8,0) not null,

foreign key(sportid) references sport(sid),

foreign key(participantid) references participant(sid),

primary key(sportid,participantid)

);

create table participatesinteam(

teamid numeric(5,0) not null,

participantid numeric(8,0) not null,

foreign key(teamid) references team(tid),

foreign key(participantid) references participant(pid),

primary key(teamid,participantid)

);

create table referee (

rid numeric(7,0) not null,

rname varchar(50),

primary key(rid)

);

create table specializesin (

sportid numeric(6,0) not null,

refereeid numeric(7,0) not null,

foreign key(refereeid) references referee(rid),

foreign key(sportid) references sport(sid),

primary key(sportid,refereeid)

);

create table sport (

sid numeric(6,0) not null,

year smallint,

sname varchar(30),

primary key(Sid)

);

create table team(

tid numeric(8,0) not null,

country varchar(25),

primary key(Tid)

);

create table winner (

sportid numeric(6,0) not null,

syear smallint not null,

medal varchar(8) not null,

winnerid numeric(8,0),

foreign key(sportid) references sport(Sid),

primary key(sportid, syear, medal)

);