

```

CREATE table people (
  PID      char(4)      not null,
  firstName varchar(100) not null,
  lastName  VARCHAR(100) NOT NULL,
  humanStatus varchar(100)      not null,
  DOB       date        not null,
  description varchar(250)      not null,
  constraint people_pkey primary key (PID)
);

insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
  values ( 'p001', 'Harry', 'Potter', 'human', '07-31-1980', 'dark hair, glasses, lightening bolt scar
on forehead');

insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
  values ( 'p002', 'Ron', 'Weasley', 'human', '03-01-1980', 'red hair, hammy down cloths, and a
stupid complexion');

insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
  values ( 'p003', 'Hermione', 'Granger', 'human', '09-19-1979', 'crazy brown hair, super smart,
mudblood');

insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
  values ( 'p004', 'Draco', 'Malfoy', 'human', '06-05-1980', 'blond hair, thinks he is cool, will
transfer to pigfarts');

insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
  values ( 'p005', 'Neville', 'Longbottom', 'human', '07-30-1980', 'brown hair, always in the wrong
place at the wrong time, becomes extremly hot later in life');

insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
  values ( 'p006', 'Albus', 'Dumbledore', 'human', '06-30-1881', 'long grey hair and beard,
glasses, small wizard hat, long cloak, genius');

insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
  values ( 'p007', 'Minerva', 'McGonagall', 'human and non-human', '10-04-1935', 'brown/grey
hair, dumbledores right hand woman, secretly amazing');

insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
  values ( 'p008', 'Severus', 'Snape', 'human', '01-09-1960', 'shoulder length dark black hair,
inside man for dumbledore with deathEaters, secretly always watching over Harry');

insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
  values ( 'p009', 'Rubeus', 'Hagrid', 'human and non-human', '12-06-1928', 'half-giant wizard,
long grey brown hair, best friend to harry ron and hermione, grows keeper at hogwarts, has
lots of pets');

insert into people ( pid, firstName, lastName, humanStatus, DOB, description)

```

```
values ( 'p010', 'Remus', 'Lupin', 'human and non-human', '03-10-1960', 'great professor, friend of harrys dad, werewolf');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p011', 'Filius', 'Flitwick', 'human and non-human', '10-07-1963', 'part goblin, short, brown hair, big nose, mustache');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p012', 'Gilderoy', 'Lockhart', 'human', '01-26-1964', 'good looking, obnoxious, full of himself, things he is the best at everything but actually cant do anything');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p013', 'Ginevra', 'Weasley', 'human', '08-11-1981', 'red hair, hammy down cloths, and a stupid complection');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p014', 'Luna', 'Lovegood', 'human', '02-13-1981', 'long blond hair, big eyes, wimsy personality');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p015', 'Pomona', 'Sprout', 'human', '05-15-1931', 'short and fat, hort curly grey hair');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p016', 'Alan', 'Labouseur', 'human', '01-12-1985', 'obviously awsome and amazing in every aspect');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p017', 'Bellatrix', 'Lestrange', 'human', '05-02-1951', 'long curly black hair, evily amazing');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p018', 'Lucius', 'Malfoy', 'human', '02-17-1954', 'long bold hair, always has a cain with a snake head on top, evil');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p019', 'Peter', 'Pettigrew', 'human and non-human', '05-17-1960', 'crazy hair, ugly rat like face, devoted to voldemort');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p020', 'Tom', 'Riddel', 'human', '12-31-1926', 'aka Lord Voldemort, snake like face, half-bood, most powerful and dangerous wizard');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p021', 'Petunia', 'Dursley', 'human', '05-12-1959', 'smug, thinks she is better than
anything magic, harrys aunt');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p022', 'Vernon', 'Dursley', 'human', '05-12-1955', 'fat, ugly, tries to keep harry from
magic, harrys uncle');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p023', 'Dudley', 'Dursley', 'human', '06-23-1980', 'fat, ugly, makes harry do whatever
he wants, harrys cousin');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p024', 'Grace', 'McCue', 'human', '02-12-1995', 'beautiful and amazing in every way');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p025', 'Fenrir', 'Greyback', 'human', '08-05-1945', 'notorious for his savagery, very
hairy everywhere, leader in his community');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p026', 'Sirius', 'Black', 'human and non-human', '08-14-1960', 'Harrys god father,
thought to be a murderer but is not');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p027', 'Rita', 'Skeeter', 'human and non-human', '06-12-1954', 'reporter, blond curly
hair, glasses, puts words in peoples mouths');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p028', 'Dobby', 'Malfoy', 'non-human', '05-28-1980', 'small house elf');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p029', 'Winky', 'Crouch', 'non-human', '07-12-1983', 'small house elf');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p030', 'Kreacher', 'Black', 'non-human', '07-14-1980', 'uggly old house elf');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p031', 'Crookshanks', 'NULL', 'non-human', '07-12-1980', 'Hermionies cat');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p032', 'Mrs. Norris', 'NULL', 'non-human', '10-9-1984', 'Always watching harry and his
friends');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p033', 'Hedwig', 'NULL', 'non-human', '10-19-1990', 'always there for harry');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p034', 'Errol', 'NULL', 'non-human', '10-06-1985', 'slow and old');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p035', 'Pigwidgeon', 'NULL', 'non-human', '10-08-1980', 'stupid owl');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p036', 'Old Boggle', 'Of Canterbury', 'non-human', '10-19-1887', 'shown as hermit to
local muggles');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p037', 'Bludgeoning Boggart', 'Of Old London Town', 'non-human', '09-13-1898',
'seen as murderous thug');
```

```
insert into people ( pid, firstName, lastName, humanStatus, DOB, description)
values ( 'p038', 'Screaming Bogey', 'Of Strathtully', 'non-human', '10-18-1897', 'feeds on fears
of muggles');
```

```
create table students (
  PID      char(4)      not null,
  classYear varchar(100) not null,
  house    VARCHAR(100) NOT NULL,
  constraint students_pkey primary key (PID),
  foreign key (PID) references people (PID)
);
```

```
iNsert into students (pid, classYear, house)
values ('p001', 'graduated 2000', 'gryffindor');
```

```
iNsert into students (pid, classYear, house)
```

```

values ('p002', 'graduated 2000', 'gryffindor');

iNsert into students (pid, classYear, house)
values ('p003', 'graduated 2000', 'slytherin');

iNsert into students (pid, classYear, house)
values ('p005', 'graduated 2000', 'gryffindor');

iNsert into students (pid, classYear, house)
values ('p007', 'graduated 1955', 'gryffindor');

iNsert into students (pid, classYear, house)
values ('p008', 'graduated 1980', 'slytherin');

iNsert into students (pid, classYear, house)
values ('p009', 'graduated 1948', 'gryffindor');

iNsert into students (pid, classYear, house)
values ('p010', 'graduated 1980', 'gryffindor');

iNsert into students (pid, classYear, house)
values ('p011', 'graduated 1983', 'ravenclaw');

iNsert into students (pid, classYear, house)
values ('p012', 'graduated 1984', 'ravenclaw');

iNsert into students (pid, classYear, house)
values ('p013', 'graduated 2001', 'gryffindor');

iNsert into students (pid, classYear, house)
values ('p014', 'graduated 2001', 'ravenclaw');

iNsert into students (pid, classYear, house)
values ('p015', 'graduated 1951', 'hufflepuff');

create table teachers (
  PID          char(4)          NOT NULL,
  subject      varchar(100)     not null,
  house        VARCHAR(100)     NOT NULL,
  constraint teachers_pkey PRIMARY KEY (PID),
  FOREIGN KEY (PID) REFERENCES people (PID)
);

iNsert into teachers (pid, subject, house)
values ('p007', 'Transfiguration', 'gryffindor');

iNsert into teachers (pid, subject, house)
values ('p008', 'Potions', 'slytherin');

```

```
iNsert into teachers (pid, subject, house)
values ('p009', 'Care of Magical Creatures', 'gryffindor');
```

```
iNsert into teachers (pid, subject, house)
values ('p010', 'Defense Against the Dark Arts', 'gryffindor');
```

```
iNsert into teachers (pid, subject, house)
values ('p011', 'Charms', 'ravenclaw');
```

```
iNsert into teachers (pid, subject, house)
values ('p012', 'Defense Against the Dark Arts', 'ravenclaw');
```

```
iNsert into teachers (pid, subject, house)
values ('p015', 'Herbology', 'hufflepuff');
```

```
iNsert into teachers (pid, subject, house)
values ('p016', 'Magical Databases', 'gryffindor');
```

```
create table deathEaters (
  PID          char(4)      not null,
  bloodLine    varchar(100) not null,
  darkMarkDate date        NOT NULL,
  constraint deathEaters_pkey PRIMARY KEY (PID),
  FOREIGN KEY (PID) REFERENCES people (PID)
);
```

```
iNsert into deathEaters (pid, bloodLine, darkMarkDate)
values ('p004', 'Malfoy Family', '03-12-2000');
```

```
iNsert into deathEaters (pid, bloodLine, darkMarkDate)
values ('p008', 'Prince Family, half-blood', '06-17-1980');
```

```
iNsert into deathEaters (pid, bloodLine, darkMarkDate)
values ('p017', 'Black Family', '07-12-1971');
```

```
iNsert into deathEaters (pid, bloodLine, darkMarkDate)
values ('p018', 'Malfoy Family', '02-17-1974');
```

```
iNsert into deathEaters (pid, bloodLine, darkMarkDate)
values ('p019', 'Pettigrew Family', '03-19-1980');
```

```
iNsert into deathEaters (pid, bloodLine, darkMarkDate)
values ('p020', 'Lord Voldemort, half-blood', '06-06-6666');
```

```

create table muggles (
    PID          char(4)      not null,
    residence     varchar(300) not null,
    knowOfMagic   VARCHAR(100) NOT NULL,
    constraint muggles_pkey PRIMARY KEY (PID),
    FOREIGN KEY (PID) REFERENCES people (PID)
);

iNsert into muggles (pid, residence, knowOfMagic)
values ('p021', 'Privet Drive', 'yes, but ignore it');

iNsert into muggles (pid, residence, knowOfMagic)
values ('p022', 'Privet Drive', 'yes, but ignore it');

iNsert into muggles (pid, residence, knowOfMagic)
values ('p023', 'Privet Drive', 'yes, but ignore it');

iNsert into muggles (pid, residence, knowOfMagic)
values ('p024', 'Mill Street', 'yes, amazed by its wonders');

```

```

create table houseElves (
    PID          CHAR(4)      not null,
    freeStatus   varchar(100) not null,
    serviceTo    VARCHAR(100) NOT NULL,
    constraint houseElves_pkey PRIMARY KEY (PID),
    FOREIGN KEY (PID) REFERENCES people (PID)
);

```

```

iNsert into houseElves (pid, freeStatus, serviceTo)
values ('p028', 'Free', 'Malfoy Family');

iNsert into houseElves (pid, freeStatus, serviceTo)
values ('p029', 'In Service', 'Hoggwarts');

iNsert into houseElves (pid, freeStatus, serviceTo)
values ('p030', 'In Service', 'Black Family');

```

```

create table cats (
    PID          char(4)      not null,
    owner        varchar(100) not null,
    favActivity   VARCHAR(300) NOT NULL,
    constraint cats_pkey PRIMARY KEY (PID),
    FOREIGN KEY (PID) REFERENCES people (PID)
);

```

```
iNsert into cats (pid, owner, favActivity)
values ('p031', 'Ron Weasley', 'annoying ron ');
```

```
iNsert into cats (pid, owner, favActivity)
values ('p032', 'Argus Filch', 'watching harry and his friends');
```

```
create table owls (
  PID      char(4)      not null,
  OWNER    varchar(100) not null,
  yrsInPost integer      NOT NULL,
  constraint owls_pkey PRIMARY KEY (PID),
  FOREIGN KEY (PID) REFERENCES people (PID)
);
```

```
iNsert into owls (pid, owner, yrsInPost)
values ('p033', 'Harry Potter', '9');
```

```
iNsert into owls (pid, owner, yrsInPost)
values ('p034', 'The Weasleys', '50');
```

```
iNsert into owls (pid, owner, yrsInPost)
values ('p035', 'Ron Weasley', '20');
```

```
create table werewolves (
  PID      char(4)      not null,
  humanForm varchar(100) not null,
  controlStatus VARCHAR(100) NOT NULL,
  constraint werewolves_pkey PRIMARY KEY (PID),
  FOREIGN KEY (PID) REFERENCES people (PID)
);
```

```
iNsert into werewolves (pid, humanForm, controlStatus)
values ('p010', 'Remus Lupin', 'working, semi-good');
```

```
iNsert into werewolves (pid, humanForm, controlStatus)
values ('p025', 'Fenrir Greyback', 'none, always wants to be a wolf, murderer');
```

```
create table animagus (
  PID      CHAR(4)      not null,
  humanForm varchar(100) not null,
  animalForm VARCHAR(100) NOT NULL,
  constraint animagus_pkey PRIMARY KEY (PID),
  FOREIGN KEY (PID) REFERENCES people (PID)
);
```



```
);
```

```
iNsert into animagus (pid, humanForm, animalForm)
values ('p007', 'Professor McGonagall', 'cat');
```

```
iNsert into animagus (pid, humanForm, animalForm)
values ('p019', 'Peter Pettigrew, Death Eater', 'rat');
```

```
iNsert into animagus (pid, humanForm, animalForm)
values ('p026', 'Serius Black, Murderer', 'Black Dog');
```

```
iNsert into animagus (pid, humanForm, animalForm)
values ('p027', 'Rita Skeeter, Reporter', 'Beetle');
```

```
create table boggart (
  PID          char(4)      not null,
  shapeSeenIn  varchar(100) not null,
  placeSeenIn  VARCHAR(100) NOT NULL,
  constraint boggart_pkey PRIMARY KEY (PID),
  FOREIGN KEY (PID) REFERENCES people (PID)
);
```

```
iNsert into boggart (pid, shapeSeenIn, placeSeenIn)
values ('p036', 'Old crazy hermit', 'Canterbury');
```

```
iNsert into boggart (pid, shapeSeenIn, placeSeenIn)
values ('p037', 'Murderous thug', 'Old London Town');
```

```
iNsert into boggart (pid, shapeSeenIn, placeSeenIn)
values ('p038', 'Boogy Man', 'Strathtully');
```

```
create table patronus (
  PTID      char(5)      not null,
  PID       varchar(100) not null,
  animalShape VARCHAR(100) NOT NULL,
  constraint patronus_pkey PRIMARY KEY (PTID),
  FOREIGN KEY (PID) REFERENCES people (PID)
);
```

```
iNsert into patronus (ptid, pid, animalShape)
values ('pt001', 'p001', 'stag');
```

```
iNsert into patronus (ptid, pid, animalShape)
values ('pt002', 'p002', 'terrier');
```

```
iNsert into patronus (ptid, pid, animalShape)
values ('pt003', 'p003', 'otter');
```

```
iNsert into patronus (ptid, pid, animalShape)
values ('pt004', 'p006', 'pheonix');
```

```
iNsert into patronus (ptid, pid, animalShape)
values ('pt005', 'p007', 'cat');
```

```
iNsert into patronus (ptid, pid, animalShape)
values ('pt006', 'p008', 'doe');
```

```
iNsert into patronus (ptid, pid, animalShape)
values ('pt007', 'p010', 'wolf');
```

```
iNsert into patronus (ptid, pid, animalShape)
values ('pt008', 'p012', 'butterfly');
```

```
iNsert into patronus (ptid, pid, animalShape)
values ('pt009', 'p013', 'horse');
```

```
iNsert into patronus (ptid, pid, animalShape)
values ('pt010', 'p014', 'hare');
```

```
iNsert into patronus (ptid, pid, animalShape)
values ('pt011', 'p016', 'horse');
```

```
create table magicItems (
  IID          char(4)      not null,
  name         varchar(100) not null,
  description   varchar(200) not null,
  constraint magicItems_pkey primary key (IID)
);
```

```
iNsert into magicItems (iid, NAME, description)
values ('i001', 'Howler', 'to convey an extremly angry message very loudly and publicly');
```

```
iNsert into magicItems (iid, NAME, description)
values ('i002', 'Time-Turner', 'time travel piece, resembles an hourglass on a necklace');
```

```
iNsert into magicItems (iid, NAME, description)
values ('i003', 'invisibility cloak', 'renders whatever it covers unseeable');
```

insert into magicItems (iid, NAME, description)  
values ('i004', 'deluminator', 'used to remove or absorb the light from any light source to provide cover for the user');

insert into magicItems (iid, NAME, description)  
values ('i005', 'elder wand', 'extremely powerful wand made of elder wood with a core of Thestral tail hair');

insert into magicItems (iid, NAME, description)  
values ('i006', 'resurrection stone', 'allows the holder to bring back deceased loved ones, in a semi-physical form, and communicate with them');

insert into magicItems (iid, NAME, description)  
values ('i007', 'the marauders map', 'magical map of hogwarts made by "Moony", "Wormtail", "Padfoot", and "Prongs"');

insert into magicItems (iid, NAME, description)  
values ('i008', 'remembrall', 'small, clear orb, about the size of a tennis ball, containing smoke that turns red when it detects that the person holding it has forgotten something');

insert into magicItems (iid, NAME, description)  
values ('i009', 'weasley family clock', 'a special clock in their home, the Burrow, with nine hands, one for every member of the family. Instead of telling the time, the clock reveals the location or status of each family member');

insert into magicItems (iid, NAME, description)  
values ('i010', 'Wizards Chess', 'The pieces are magically animated, and they violently attack each other when performing a capture, by knocking the captured piece out and dragging it off the board.');

insert into magicItems (iid, NAME, description)  
values ('i011', 'Tom Riddles Diary', 'tom riddles second horcrux due to the killing of moaning myrtle');

insert into magicItems (iid, NAME, description)  
values ('i012', 'Goblet of Fire', 'used solely to choose the participating school champions, serving as an "impartial judge."');

insert into magicItems (iid, NAME, description)

```
values ('i013', 'Philosophers Stone', 'it changes all metals to gold, and can be used to brew a
potion called the Elixir of Life, making the drinker immortal.');
```

```
iNsert into magicItems (iid, NAME, description)
values ('i014', 'Sorting Hat', 'able to read minds and determine which of the four school
houses – Gryffindor, Hufflepuff, Ravenclaw or Slytherin – each new student is to be assigned.');
```

```
iNsert into magicItems (iid, NAME, description)
values ('i015', 'Arthur Weasleys Ford Anglia', 'the vehicle can fly, become invisible, and carry
the entire Weasley family ');
```

```
create table peopleItemUse (
  PID CHAR(4) not null,
  IID char(4) not null,
  primary key (PID, IID),
  foreign key (PID) references people (PID),
  foreign key (IID) references magicItems (IID)
);
```

```
iNsert into peopleItemUse (pid, iid)
values ('p001', 'i002');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p001', 'i003');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p001', 'i005');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p001', 'i006');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p001', 'i007');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p001', 'i010');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p001', 'i011');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p001', 'i012');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p001', 'i013');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p001', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p001', 'i015');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p002', 'i001');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p002', 'i003');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p002', 'i009');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p002', 'i010');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p002', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p002', 'i015');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p003', 'i002');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p003', 'i003');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p003', 'i010');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p003', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p004', 'i005');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p004', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p005', 'i008');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p005', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p006', 'i004');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p006', 'i005');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p006', 'i012');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p006', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p007', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p008', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p009', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p010', 'i007');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p010', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p011', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p012', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p013', 'i003');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p013', 'i009');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p013', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p013', 'i015');
```

```
iNsert into peopleItemUse (pid, iid)
values ('p014', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)
```

```
values ('p015', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p016', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p017', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p018', 'i011');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p018', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p019', 'i007');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p019', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p020', 'i005');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p020', 'i006');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p020', 'i011');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p020', 'i013');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p020', 'i014');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p026', 'i003');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p026', 'i007');
```

```
iNsert into peopleItemUse (pid, iid)  
values ('p026', 'i014');
```

```
create view teachersPatronus AS  
select pe.firstname, pe.lastname, pt.animalshape  
from people pe, patronus pt, teachers t  
where pe.pid = pt.pid and pt.pid = t.pid;
```

```

create view teacherSubject as
select firstName, lastName, subject
from people
inner join teachers
on people.pid = teachers.pid
order by lastName;

```

```

create view peopleAnimagus as
select firstName, lastName, animalForm
from people p
inner join animagus a
on p.pid = a.pid
order by firstName;

```

```

select trunc (
    cast (
        (select count (t.pid) as gryffindorCount
         from teachers t
         where t.house = 'gryffindor'
        )as decimal (5,2)
    )
    /(select count (t.pid) as peopleHouse
     from teachers t
    )
    * 100
) as percent_Gryffindor;

```

```

select firstname, lastname
from people
where pid in
    (select pid
     from teachers
     where subject = 'Magical Databases');

```

```

select p.firstname, de.darkmarkdate, s.classyear
from people p
join deatheaters de
on p.pid = de.pid
join students s
on de.pid = s.pid
order by darkmarkdate desc;

```



```
select i.iid, i.name, pi.pid
from magicItems i, peopleItemUse pi
where pi.iid = i.iid and i.iid = 'i014'
order by i.name;
```

```
create or replace function personsItem (pid varchar (4))
returns table ( "first name" varchar (100), "last name" varchar (100), "item" varchar (100)) as
$body$
begin
    select p.firstname as "first name", p.lastname as "Last Name", i.name as "Item"
    from people p, magicItems i, peopleItemUse pi
    where pi.iid = i.iid and p.pid = pi.pid
    order by i.name;
end;
$body$
language plpgsql;
```

```
create or replace function GryffindorsItems (pid varchar(4))
returns table ("first name" varchar (100), "last name" varchar (100), "item" varchar (100)) as
$body$
begin
    select p.firstname as "first name", p.lastname as "Last Name", i.name as "Item"
    from people p, magicItems i, peopleItemUse pi, teachers t
    where pi.iid = i.iid and p.pid = pi.pid and t.pid = p.pid and t.house = 'gryffindor'
    ORDER BY i.name;
end;
$body$
language plpgsql;
```

```
create or replace function teacherdob (pid varchar(4))
returns table ( "dateOfBirth" varchar(100)) as
$body$
begin
    select p.dob as "dateOfBirth"
    from people p, teachers t
    where p.pid = t.pid
    order by p.dob;
end;
$body$
language plpgsql;
```

```
create or replace function GryffindorsItems ()
returns trigger as
$body$
begin
    select p.firstname as "first name", p.lastname as "Last Name", i.name as "Item"
    from people p, magicItems i, peopleItemUse pi, teachers t
    where pi.iid = i.iid and p.pid = pi.pid and t.pid = p.pid and t.house = 'gryffindor'
```

```
        ORDER BY i.name;
    end;
$body$
language plpgsql;
```

```
create trigger gryffindorsItems
after insert on magicItems
for each row
execute procedure gryffindorsItems();
```

```
create or replace function personsItem ()
returns TRIGGER as
$body$
begin
    select p.firstname as "first name", p.lastname as "Last Name", i.name as "Item"
    from people p, magicItems i, peopleItemUse pi
    where pi.iid = i.iid and p.pid = pi.pid
    order by i.name;
end;
$body$
language plpgsql;
```

```
create trigger personsItem
after insert on peopleItemUse
for each row
execute procedure personsItem();
```

```
create role admin;
grant all on all tables in schema public
to admin;
```

```
CREATE ROLE world;
GRANT SELECT ON ALL TABLES IN SCHEMA public
to world;
```