

Steven Bacdayan
Normalization Lab2

-- Person--

```
CREATE TABLE person(  
  PID int,  
  Fname text,  
  Lname text,  
  Address text,  
  Birthday text,  
  EyeColor text,  
  HeightIN int,  
  primary key(PID)  
);
```

-- Actor--

```
CREATE TABLE Actor(  
  PID int,  
  AID int,  
  SAGanniversary int,  
  primary key(PID, AID),  
  foreign key(PID) references person(PID)  
);
```

-- Director--

```
CREATE TABLE Director(  
  PID int,  
  DID int,  
  FilmSchool text,  
  Anniversary int,  
  primary key(PID, DID),  
  foreign key(PID) references person(PID)  
);
```

-- Movie--

```
CREATE TABLE Movie(  
  MID int,  
  Name text,  
  ReleaseYr int,  
  DomSalesUSD int,  
  ForSalesUSD int,  
  DVDBluSalesUSD int,  
  primary key(MID)  
);
```

-- StarringRoles--

```
CREATE TABLE StarringRoles(  
  PID int,  
  AID int,  
  MID int,  
  Role text,  
  primary key(PID, AID, MID, Role),  
  foreign key(PID) references person(PID),  
  foreign key(AID) references Actor(AID),  
  foreign key(MID) references Movie(MID)
```

```
PID int,  
AID int,  
MID int,  
RoleName text,  
primary key(PID, AID, MID, RoleName),  
foreign key(PID, AID) references Actor(PID, AID),  
foreign key(MID) references Movie(MID)  
);
```

--DirectingRoles--

```
CREATE TABLE DirectingRoles(  
PID int,  
DID int,  
MID int,  
primary key(PID,DID,MID),  
foreign key(PID, DID) references Director(PID, DID),  
foreign key(MID) references Movie(MID)  
);
```

--Person--

```
INSERT INTO Person (PID, Fname, Lname, Address, Birthday, EyeColor, HeightIN)  
VALUES(10, 'Robert', 'Downey', '1311 Abbot Kinney Venice, CA 90291-3739 USA', '4 April 1965', 'brown',  
68);  
INSERT INTO Person (PID, Fname, Lname, Address, Birthday, EyeColor, HeightIN)  
VALUES(20, 'Nicolas', 'Cage', '11872 La Grange Avenue 1st Floor Los Angeles, CA 90025 USA', '7 January  
1964', 'Brown', 72);  
INSERT INTO Person (PID, Fname, Lname, Address, Birthday, EyeColor, HeightIN)  
VALUES(30, 'Clint', 'Eastwood', '4000 Warner Blvd. Building 81 Suite 101 Burbank, CA 91522 USA', '31 May  
1930', 'Brown', 76 );  
INSERT INTO Person (PID, Fname, Lname, Address, Birthday, EyeColor, HeightIN)  
VALUES(40, 'Jon', 'Favreau', '7920 Sunset Blvd. Los Angeles, CA 90046 USA', '19 October 1966', 'Brown', 73);  
INSERT INTO Person (PID, Fname, Lname, Address, Birthday, EyeColor, HeightIN)  
VALUES(50, 'Mark', 'Johnson', '1440 Monroe Street Madison, WI 53711 USA', '30 October 1964', 'Brown',  
73);  
INSERT INTO Person (PID, Fname, Lname, Address, Birthday, EyeColor, HeightIN)  
VALUES(60, 'Sean', 'Connery', '2000 Avenue of the Stars Los Angeles, CA 90067 USA', '30 October 1964',  
'Brown', 73);  
INSERT INTO Person (PID, Fname, Lname, Address, Birthday, EyeColor, HeightIN)  
VALUES(70, 'Guy', 'Hamilton', 'NA', '16 September 1922, Paris', 'Brown', 00);
```

--Actor--

```
INSERT INTO Actor (PID, AID, SAGanniversary)  
VALUES( 10, 10, 0000);  
INSERT INTO Actor (PID, AID, SAGanniversary)  
VALUES( 20, 20, 0000);  
INSERT INTO Actor (PID, AID, SAGanniversary)  
VALUES( 30, 30, 0000);  
INSERT INTO Actor (PID, AID, SAGanniversary)  
VALUES( 60, 40, 0000);
```

--Movie--

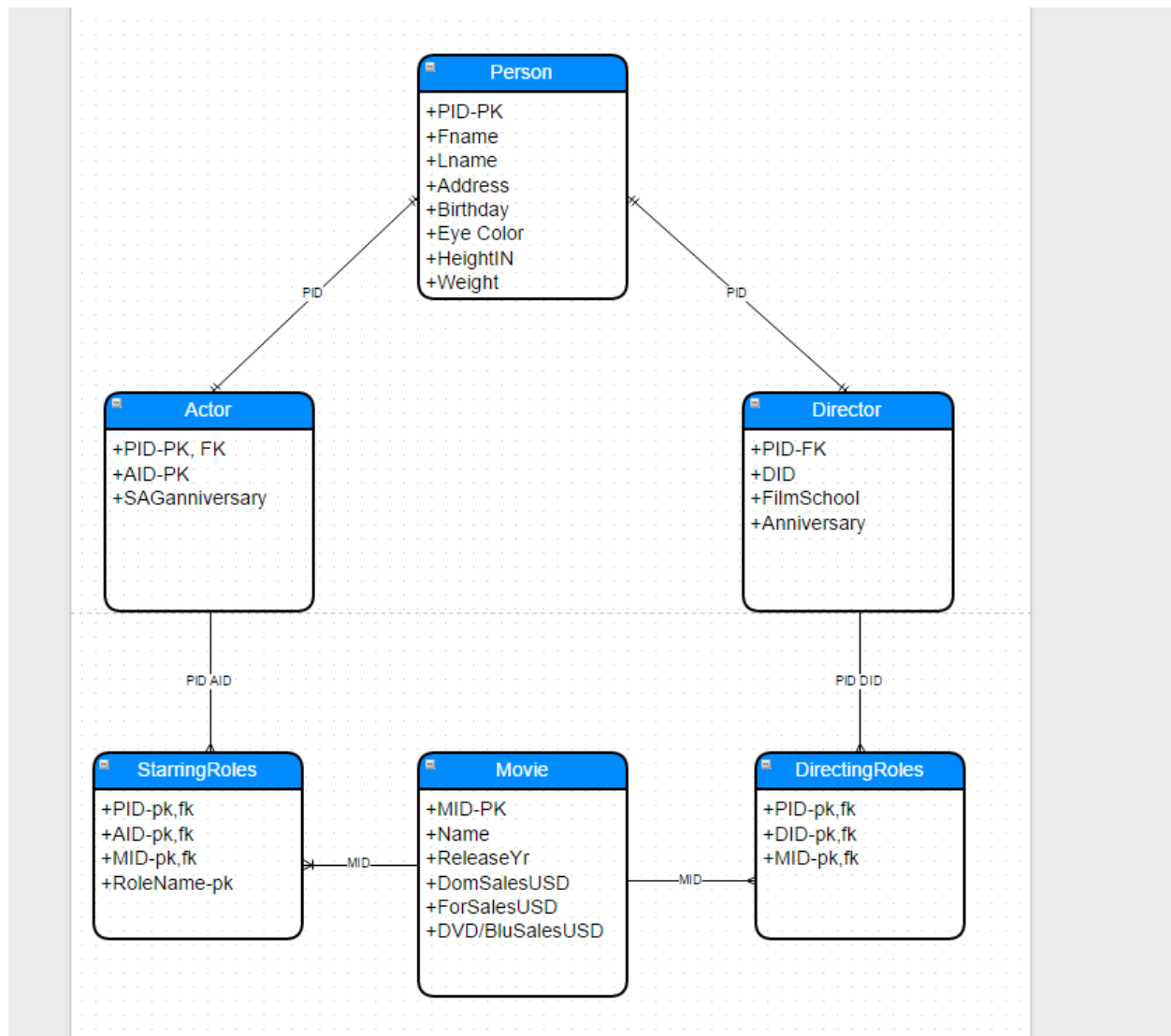
```
INSERT INTO Movie (MiD, Name, ReleaseYR, DomSalesUSD, ForSalesUSD, DVDBluSalesUSD)  
VALUES(10, 'Iron Man', 2008, 318412101, 266762121, 78604166);
```

```

INSERT INTO Movie (MiD, Name, ReleaseYR, DomSalesUSD, ForSalesUSD, DVDBluSalesUSD)
VALUES(20, 'Ghost Rider', 2007, 115802596, 121900000, 104044180);
INSERT INTO Movie (MiD, Name, ReleaseYR, DomSalesUSD, ForSalesUSD, DVDBluSalesUSD)
VALUES(30, 'Gran Torino', 2008, 148095302, 126447783, 71922752);
INSERT INTO Movie (MiD, Name, ReleaseYR, DomSalesUSD, ForSalesUSD, DVDBluSalesUSD)
VALUES(40, 'Goldfinger', 1964, 51100000, 73800000, 00000000);
--Director--
INSERT INTO Director(PiD, DiD, FilmSchool, Anniversary)
VALUES(30, 10, 'Seattle University', 0000);
INSERT INTO Director(PiD, DiD, FilmSchool, Anniversary)
VALUES(40, 20, 'Queens College', 0000);
INSERT INTO Director(PiD, DiD, FilmSchool, Anniversary)
VALUES(50, 30, 'NA', 0000);
INSERT INTO Director(PiD, DiD, FilmSchool, Anniversary)
VALUES(70, 40, 'NA', 0000);
--StarringRoles--
INSERT INTO StarringRoles(PiD, AiD, MiD, RoleName)
VALUES (10, 10, 10, 'Tony Stark');
INSERT INTO StarringRoles(PiD, AiD, MiD, RoleName)
VALUES (20, 20, 20, 'Johnny Blaze');
INSERT INTO StarringRoles(PiD, AiD, MiD, RoleName)
VALUES (60, 40, 40, 'James Bond');
--DirectingRoles--
INSERT INTO DirectingRoles(PiD, DiD, MiD)
VALUES (30, 10, 30);
INSERT INTO DirectingRoles(PiD, DiD, MiD)
VALUES (50, 30, 30);
INSERT INTO DirectingRoles(PiD, DiD, MiD)
VALUES (40, 20, 10);
INSERT INTO DirectingRoles(PiD, DiD, MiD)
VALUES (70, 40, 40);

--Query--
SELECT PiD, fname, lname
FROM Person
Where PiD= ( SELECT DirectingRoles.PiD FROM DirectingRoles
Left OUTER JOIN StarringRoles
ON DirectingRoles.MiD=StarringRoles.MiD
WHERE AiD=40
);

```



Dependencies

Person: PID > Firstname, Lastname, Address, Birthday, EyeColor, HeightIN, Weight

Actor: PID, AID > SAGanniversary

Director: PID, DID > FilmSchool, Anniversary

Movie: MID > Name, ReleaseYr, DomSalesUSD, ForSalesUSD, DVD/BluSalesUSD