

Relational Database Example - Classic Movies

TABLES (RECORDS)

ACTOR	
ActorID	ActorName
123456	Arthur, Jean
124680	Grant, Cary
135791	Hepburn, Katharine
234567	Stewart, James
357913	Russell, Rosalind

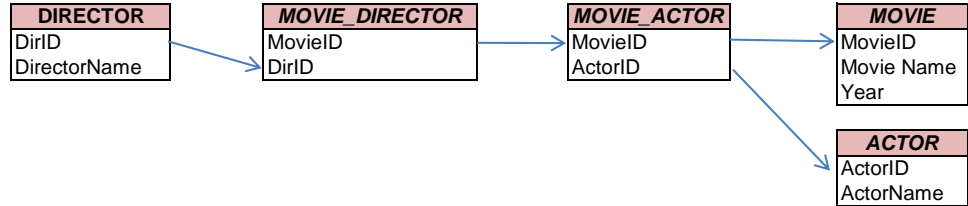
MOVIE		
MovieID	MovieName	Year
ANGE	Only Angels Have Wings	1939
BABY	Bringing Up Baby	1938
HISG	His Girl Friday	1940
PHIL	The Philadelphia Story	1940
SMIT	Mr. Smith Goes to Washington	1939

DIRECTOR	
DirID	DirectorName
D123	Capra, Frank
D543	Cukor, George
D789	Hawks, Howard

MOVIE_DIRECTOR (associates directors with movies)	
MovieID	DirID
ANGE	D789
BABY	D789
HISG	D789
PHIL	D543
SMIT	D123

MOVIE_ACTOR (associates actors with movies)	
MovieID	ActorID
ANGE	123456
ANGE	124680
BABY	124680
BABY	135789
HISG	234567
HISG	357913
PHIL	134680
PHIL	135791
PHIL	234567
SMIT	123456
SMIT	234567

Query - List every Movie in the database directed by Howard Hawks; display the Movie Year and the Actors



Query Results
Displaying All Columns (Fields)

DirID	DirectorName	MovieID	MovieName	Year	ActorID	ActorName
D789	Hawks, Howard	BABY	Bringing Up Baby	1938	124680	Grant, Cary
D789	Hawks, Howard	BABY	Bringing Up Baby	1938	135791	Hepburn, Katharine
D789	Hawks, Howard	ANGE	Only Angels Have Wings	1939	123456	Arthur, Jean
D789	Hawks, Howard	ANGE	Only Angels Have Wings	1939	124680	Grant, Cary
D789	Hawks, Howard	HISG	His Girl Friday	1940	124680	Grant, Cary
D789	Hawks, Howard	HISG	His Girl Friday	1940	357913	Russell, Rosalind

NOTE: Shaded Columns/Fields are Key Fields, i.e. they make each Row unique

These Records/Tables have one Key Field:

- Actor
- Movie
- Director

These tables have two Key Fields:

- Movie_Director
- Movie_Actor

