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CIS 310 HW 3

21. The table employee has a primary key and super key EMP_NUM., it has a probable foreign key as JOB_CODE or DEPT_CODE

22.

Identify the primary keys.

The table director has a primary key DIR_NUM

The table PLAY has a primary key PLAY_CODE

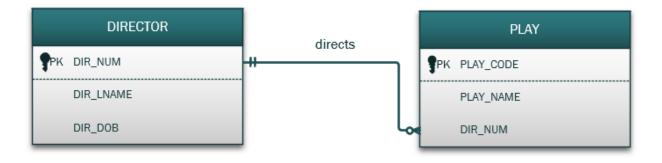
23.

Identify the foreign keys.

The table PLAY has a foreign key DIR_NUM

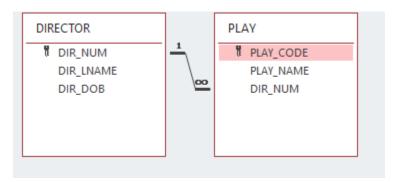
24.

Create the ERM.



• 25.

Create the relational diagram to show the relationship between DIRECTOR and PLAY.



26.

Suppose you wanted quick lookup capability to get a listing of all plays directed by a given director. Which table would be the basis for the INDEX table, and what would be the index key?

The PLAY table would be the basis for the INDEX table and the index key would be DIR_NUM

27.

What would be the conceptual view of the INDEX table described in <u>Question</u> <u>26</u>? Depict the contents of the conceptual INDEX table.

Database name: Ch03_Theater

Table name: DIRECTOR

DIR_NUM	DIR_LNAME	DIR_DOB
100	Broadway	12-Jan-65
101	Hollywoody	18-Nov-53
102	Goofy	21-Jun-62

Table name: PLAY

PLAY_CODE	PLAY_NAME	DIR_NUM		DIR_NUM	PLAY_(
1001	Cat On a Cold, Bare Roof	102			·
1002	Hold the Mayo, Pass the Bread	101	· /•	100	4
1003	I Never Promised You Coffee	102		i 	
1004	Silly Putty Goes To Washington	100	X//	101	2,5,7
1005	See No Sound, Hear No Sight	101	$\leftarrow \overline{\chi}$	 	
1006	Starstruck in Biloxi	102	*	102	1, 3, 6
1007	Stranger In Parrot Ice	101			